

WAC2026

WORLD ADHESIVE & SEALANT CONFERENCE AND EXPO

Programme

16-18 September 2026

The QEII Centre, London, UK

REINVENTING THE FUTURE



Hosted by: 

Co-organised by:  

Content

Welcome		7
Acknowledgements / Time Schedule - Overview		9
Time Schedule - Detailed - Pre-meetings		18
Time Schedule - Detailed - Wednesday		20
Time Schedule - Detailed - Thursday		24
Time Schedule - Detailed - Friday		30
Presentation Abstracts		34
Plenary Session I - 'Future-Ready Leadership'		34
Breakout Sessions		36-45
Regional Updates	I	36
Smart Additives for Advanced Adhesive Formulations	II	38
Precision Application & Process Control	III	40
From Evidence to Impact: Future-Proofing Industry	IV	43
Plenary Session II - 'Geo-Economic Resilience'		36
Breakout Sessions		47-56
Market Dynamics & Collaboration	V	47
Reversible & On-Demand Debonding	VI	49
Advanced Hotmelt Technologies for Assembly	VII	52
SMP Formulation: From Design to Application	VIII	54

Plenary Session III - 'Future-Proof Agility'	57
Breakout Sessions	58-68
Performance & Compliance in Packaging Systems IX	58
Sustainable PU Systems: From Raw Materials to Reactivity X	60
Research Advances in Adhesive Science & Processing XI	63
Defossilisation & Circularity in Adhesives XII	66
Plenary Session IV - 'Uncertainty as Opportunity'	70
Breakout Sessions	71-81
Data-Driven Innovation in Adhesives XIII	71
SMP Chemistry: Advancing Adhesive Performance XIV	74
Next-Generation Adhesives & Sealants Chemistry XV	76
Sustainable & High-Performance Hotmelt Solutions XVI	79
Floor Plan & Exhibitors	82-93
Exhibitors' Profiles	94-125
FEICA Members	126-128
About FEICA	129
Badge Colour Guide	130



Thank You!

GOLD Sponsors



BOSTIK



H.B. Fuller





SILVER Sponsor



BRONZE Sponsors



PREMIER MEDIA PARTNER



Welcome

September 2026

Stuart Jenkinson, FEICA President
Vice President – Health, Hygiene & Consumables Europe, H.B. Fuller



Dear Participants,

I have the great honour to welcome you to the World Adhesive & Sealant Conference and EXPO, WAC2026, which is set in the capital of the United Kingdom, London.

For centuries, London has been a global meeting place for commerce, innovation and the exchange of ideas. It is therefore a fitting location for our industry to come together at a time of significant change and opportunity.

The adhesives and sealants industry plays a vital role in modern society. Rarely at the centre of attention, our technologies are present in many of the products and processes that shape daily life. They enable innovation across countless sectors, strengthen value chains and help Europe's industries become more competitive, sustainable and resilient. As markets, technologies and regulatory frameworks continue to evolve, collaboration and knowledge-sharing have never been more important.

WAC2026 reflects this spirit of collaboration. Over the next three days, you will hear from executive leaders, industry experts, researchers and innovators who will explore the trends, technologies and challenges shaping our future. Through plenary sessions, technical presentations, market insights and networking opportunities, the programme has been designed to inform, inspire and connect.

I would like to thank the FEICA Board of Directors and the Regulatory and Sustainability Board for their invaluable support. A special recognition goes to the FEICA Secretariat, the National Associations, all FEICA members, and FEICA's Working Group and Task Force experts for their continued and invaluable commitment.

Thank you for joining us in London. I wish you an engaging, productive and memorable conference.

Stuart Jenkinson
FEICA President

A handwritten signature in blue ink, appearing to read 'S. Jenkinson'.

Our Media Partners

adhesion ADHESIVES +
SEALANTS



CHEManager
INTERNATIONAL

ISGATEC®
Dichten. Kleben. Polymer.



pitture e vernici
europaean
coatings formulation



Acknowledgements

Our special thanks go to the Members of the Review Committee and the Moderators of the Breakout Sessions and Master Class.



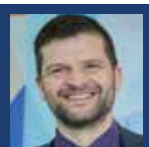
Fabio Chiozza

Product Manager, Vinavil SpA



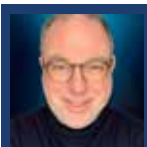
Mikaela Decio

Corporate Environmental Sustainability
Manager, Mapei SpA



Christopher Dobbins

Senior Expert Technical Services Material
Science CASE, Omya International AG



Dr Axel Hessland

Consultant



Dr Steffen Maier

Global Technology Manager Water Based
Adhesives, Sika Technologies AG



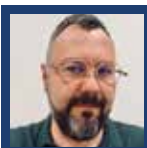
Carol Merrin

Principal Development Manager,
Azelis UK Ltd.



Dr Martin Klatt

Executive Specialist Regulatory Affairs
Dispersions Europe, BASF SE



Dr Igor Korczagin

Director, Global Adhesive & Coating
Technology, PD and Innovations,
UPM Adhesive Materials Co.



Alessandro Napoli

Innovation & Regulatory Lead,
Huntsman Advanced Materials



Caroline Raine

Regulatory Officer, BASA - the British
Adhesives and Sealants Association

Acknowledgements



Alexandra Ross

Regulatory Stewardship Manager EIMEA,
H.B. Fuller Deutschland GmbH



Mario Sommer

Head of Technical Assistance and Project
Consulting, Sopro Bauchemie GmbH



Dr Martin Stimpson

New Business Consultant, BASA - the British
Adhesives and Sealants Association



Dr Joss Pepe Strache

European Technical Service Specialist
Adhesives & Sealants, IMCD



Matthew Thomas

Global Building Components Leader, EMEA
R&D Co-Director Durable Goods, Bostik Ltd.



Yati Waghray

Global Innovation & Marketing Director,
Synthomer – Adhesive Solutions

Thank you for helping to make the WAC2026 Conference and
EXPO such a memorable success.

Time Schedule – Overview

Monday, 14 September 2026

Tuesday, 15 September 2026

Monday, 14 September 2026

By invitation only

19:00 – 22:00 **International Heads of Association Dinner**
(FEICA, ASC, CATIA, JAIA, KAIA, TSRAIA)

Tuesday, 15 September 2026

By invitation only

09:00 – 12:00 **International Heads of Association Meeting**
(FEICA, ASC, CATIA, JAIA, KAIA, TSRAIA)
📍 Room Moore - F4

Exclusively for FEICA members

13:00 – 16:00 **FEICA Business Seminar - 'A Business Perspective on Regulatory and Sustainability Challenges'**
(DCM, ACM, NAM (including NAM members))
📍 Room St. James - F4

Exclusively for invited and registered FEICA members

19:00 – 22:00 **FEICA Members Dinner**
📍 The House of Lords
18:15 Security check

Exclusively for FEICA members

Detailed Time Schedule - p18

Pre-meetings Wednesday Thursday Friday



150
YEARS

A man and a woman, both wearing white lab coats with Henkel logos, safety glasses, and blue gloves, are working together in a laboratory setting. The man is on the left, looking down at something in his hands, and the woman is on the right, looking up at him with a smile. They are both holding small white containers. The background is a blurred laboratory environment.

150 YEARS OF PIONEERING SPIRIT!

Shaping the Future. Inspired by Our Heritage.

Since 150 years we shape progress with purpose.

At Henkel, we turn change into opportunity, driving innovation, sustainability, and responsibility to build a better future. Together.

Henkel. Pioneering Spirit since 150 Years.

[HENKEL.COM/150YEARS](https://www.henkel.com/150years)

Time Schedule – Overview

Wednesday, 16 September 2026

Exclusively for FEICA members

Wednesday, 16 September 2026

Exclusively for FEICA members, by invitation only

09:00 – 11:00 **Registration & FEICA General Assembly**
(DCM, ACM, NAM Presidents & Secretary Generals only)
📍 Room Mountbatten - F6

Exclusively for Members of the Board, by invitation only

11:00 – 12:30 **FEICA Board of Directors Meeting**
📍 Room Moore - F4

12:30 - 18:30
Table Top Exhibition

12:30 – 13:30
Welcome Lunch & Opening of the WAC2026 EXPO
📍 EXPO area (F1, F2, F3)

Plenary Session I 'Future-Ready Leadership'
📍 Room Whittle & Fleming - F3

13:30 – 13:40
Opening of the WAC2026 'Reinventing the Future'

13:40 – 14:25
Keynote Presentation: Leadership in a VUCA-MAX World

14:25 – 14:55
Keynote Presentation: From Disruption to Readiness: Leading Organisations Through Real Trade-offs

14:55 – 15:00
Close of Plenary Session I

15:00 – 15:30
Coffee Break 📍 EXPO area (F1, F2, F3)

Parallel Sessions

15:30 – 17:30
Breakout
Session I
Regional Updates

📍 Room Fleming - F3

15:30 – 17:30
Breakout
Session II
Smart Additives for
Advanced Adhesive
Formulations

📍 Room Whittle - F3

15:30 – 17:30
Breakout
Session III
Precision
Application &
Process Control

📍 Room Churchill - GF

15:30 – 17:30
Breakout
Session IV
From Evidence
to Impact:
Future-Proofing
Industry

📍 Room Mountbatten - F6

18:30 – 20:30

WAC2026 Welcome Cocktail

📍 United Nations Green - QEII Entrance Garden

Sponsored by



Detailed Time Schedule - p18

Pre-meetings Wednesday Thursday Friday

Time Schedule – Overview

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	Plenary Session II ‘Geo-Economic Resilience’ 📍 Room Whittle & Fleming - F3			
	09:00 – 09:05 Introduction			
	09:05 – 09:35 Executive Address: Geoeconomic Resilience: Why Materials Matter More Than Ever			
	09:35 – 10:25 Keynote Presentation: The Frontier of the New Geoeconomy: Supply Chains and Technology			
	10:25 – 10:30 Close of Plenary Session II			
	10:30 – 11:00 Coffee Break 📍 EXPO area (F1, F2, F3)			Sponsored by 
	Parallel Sessions			
	11:00 – 13:00 Breakout Session V Market Dynamics & Collaboration 📍 Room Fleming - F3	11:00 – 13:00 Breakout Session VI Reversible & On-Demand Debonding 📍 Room Whittle - F3	11:00 – 13:00 Breakout Session VII Advanced Hot Melt Technologies for Assembly 📍 Room Churchill - GF	11:00 – 13:00 Breakout Session VIII SMP Formulation: From Design to Application 📍 Room Mountbatten - F6
	13:00 – 14:00 Lunch 📍 EXPO area (F1, F2, F3)			
	Plenary Session III ‘Future-Proof Agility’ 📍 Room Whittle & Fleming - F3			
	14:00 – 14:05 Introduction			
	14:05 – 14:35 Executive Address: Shaping in a World of Constant Change			
	14:35 – 15:25 Keynote Presentation: Future IQ: Why Playing it Safe is the Biggest Risk			
	15:25 – 15:30 Close of Plenary Session III			
	15:30 – 16:00 Coffee Break 📍 EXPO area (F1, F2, F3)			

Detailed Time Schedule - p18

Pre-meetings	Wednesday	Thursday	Friday
--------------	-----------	----------	--------

Time Schedule – Overview

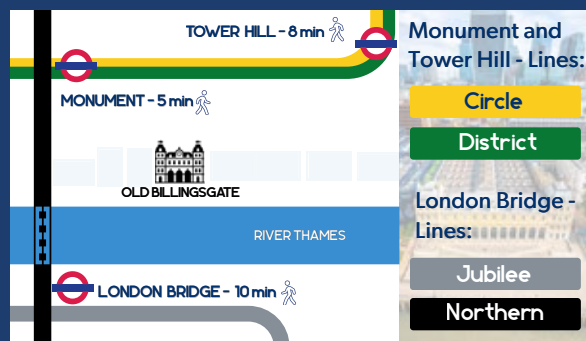
Thursday, 17 September 2026

09:00 – 18:00 Exhibition	Parallel Sessions			
	16:00 – 18:00 Breakout Session IX Performance & Compliance in Packaging Systems 📍 Room Fleming - F3	16:00 – 18:00 Breakout Session X Sustainable PU Systems: From Raw Materials to Reactivity 📍 Room Whittle - F3	16:00 – 18:00 Breakout Session XI Research Advances in Adhesive Science & Processing 📍 Room Churchill - GF	16:00 – 18:00 Breakout Session XII Defossilisation & Circularity in Adhesives 📍 Room Mountbatten - F6

19:30 – 00:00

WAC2026 Dinner 'A Night in London'

📍 Old Billingsgate



Detailed Time Schedule - p18

Pre-meetings Wednesday Thursday Friday

Time Schedule – Overview

Friday, 18 September 2026

09:00 - 14:30 Table Top Exhibition	Plenary Session IV ‘Uncertainty as Opportunity’ 📍 Room Whittle & Fleming - F3			
	09:00 – 09:05 Introduction			
	09:05 – 09:35 Executive Address: The Power of People in an Unpredictable World			
	09:35 – 10:25 Keynote Presentation: The Never Normal: How to Leverage the Uncertainty Principle			
	10:25 – 10:30 Close of Plenary Session IV			
	10:30 – 11:00 Coffee Break 📍 EXPO area (F1, F2, F3)			
	Sponsored by  H.B. Fuller			
	Parallel Sessions			
	11:00 – 13:00 Breakout Session XIII Data-Driven Innovation in Adhesives 📍 Room Fleming - F3	11:00 – 13:00 Breakout Session XIV SMP Chemistry: Advancing Adhesive Performance 📍 Room Whittle - F3	11:00 – 13:00 Breakout Session XV Next-Generation Adhesives & Sealants Chemistry 📍 Room Churchill - GF	11:00 – 13:00 Breakout Session XVI Sustainable & High-Performance Hotmelt Solutions 📍 Room Mountbatten - F6
	13:00 – 14:30 WAC2026 Close & Networking Lunch 📍 with WAC2030 Announcement			

Dress Code for the WAC2026 Conference and EXPO

The dress code for the entire WAC2026 Conference and Expo, including all social events, is business casual.

Detailed Time Schedule - p18

Pre-meetings	Wednesday	Thursday	Friday
--------------	-----------	----------	--------



Adhesive solutions by
ARKEMA

BORN² BOND™

60%
bio-based



Born²Bond™ Ultra K85

First instant adhesive to
pass **up to 1,000 hours**
on the **double 85 test***



Resistant to
85°C/85%RH



Low
bloom



Low-odor
technology



Higher
durability



*Up to 2,500 hours on ABS.

Bostik is proud to sponsor WAC2026

Time Schedule – Detailed

Monday, 14 September 2026

By invitation only

19:00 – 22:00

International Heads of Association Dinner (FEICA, ASC, CATIA, JAIA, KAIA, TSRAIA)

Time Schedule – Detailed

Tuesday, 15 September 2026

By invitation only

09:00 – 12:00

International Heads of Association Meeting (FEICA, ASC, CATIA, JAIA, KAIA, TSRAIA)

📍 Room Moore - F4

Exclusively for FEICA members

DCM, ACM, NAM (including NAM members)

13:00 – 16:15

FEICA Business Seminar

‘A Business Perspective on Regulatory and Sustainability Challenges’

📍 Room St. James - F4

13:00 – 13:05

Opening of the FEICA Seminar and Introduction



Dr Michael Frank, Chair of the FEICA Regulatory & Sustainability Board (RSB),
Henkel AG & Co. KGaA

13:05 – 13:30

FEICA Policy Strategy: Creating Value for Industry



Benjamin Nummert, Chair of the Strategy, Impact & Policy (SIP) Working Group,
Henkel AG & Co. KGaA

13:30 – 13:50

Preparing for ESPR Implementation: Implications for Business and Reputation of the Adhesive & Sealant Industry



Dr Annett Linemann,
Chair of the FEICA Mobility & Electronics Working Group, H.B. Fuller Deutschland
GmbH

Time Schedule – Detailed

Tuesday, 15 September 2026

FEICA Business Seminar continues

13:50 – 14:15

Digital Product Passport – Value Chain Information Goes Digital



Dr Martin Klatt,

Chair of the FEICA Digital Product Passport (DPP) Task Force, BASF SE

14:15 – 14:45

Coffee Break

📍 Room Westminster - F4

14:45 – 15:30

The Business Impact of EU Chemical Policy



Martin Gloeckner,

Vice-Chair of the FEICA Chemical Legislation Working Group, IVK,



Arnaud Jourdy, Chair of the FEICA REACH Task Force, Bostik SA

15:30 – 15:55

PPWR: Business Implications for Packaging Users and packaging Adhesive



Elizabeth Staab,

Chair of the FEICA Sustainability and Recycling of Adhesives in Paper and Packaging Applications (SRAPPA) Working Group, H.B. Fuller Deutschland GmbH

15:55 – 16:00

Close of the FEICA Seminar



Dr Michael Frank,

Chair of the FEICA Regulatory & Sustainability Board (RSB), Henkel AG & Co. KGaA

Exclusively for invited and registered FEICA members

19:00 – 22:00

FEICA Members Dinner

📍 The House of Lords

18:15 Security check

Time Schedule – Detailed

Wednesday, 16 September 2026

Exclusively for FEICA members, by invitation only	
09:00 – 11:00	Registration & FEICA General Assembly 2026 📍 Room Mountbatten - F6
Exclusively for Members of the Board, by invitation only	
11:00 – 12:30	FEICA Board of Directors Meeting 📍 Room Moore - F4
START OF THE WAC2026 OPEN TO ALL REGISTERED DELEGATES	

12:30 - 18:30 Table Top Exhibition	12:30 – 13:30	Welcome Lunch & Opening of the WAC2026 EXPO 📍 EXPO area (F1, F2, F3)
	09:00 – 10:30	Plenary Session I
	'Future-Ready Leadership' 📍 Room Whittle & Fleming - F3	
	Moderator: Anne De Baetzelier	
	13:30 – 13:30	Welcome & introduction Anne De Baetzelier
	13:35 – 13:40	Opening of the WAC2026 'Reinventing the Future' Stuart Jenkinson, FEICA President Vice President – Health, Hygiene & Consumables Europe, H.B. Fuller
	13:40 – 14:25	Keynote Presentation: Leadership in a VUCA-MAX World Matthew Griffin
	14:25 – 14:55	Keynote Presentation: From Disruption to Readiness: Leading Organisations Through Real Trade-offs Dr Norman Goldberg
	14:55 – 15:00	Close of Plenary Session I
	15:00 – 15:30	Coffee Break 📍 EXPO area (F1, F2, F3)

Time Schedule – Detailed

Wednesday, 16 September 2026

12:30 – 18:30 Table Top Exhibition	15:30 – 17:30 Parallel Sessions - Breakout I
	Regional Updates 📍 Room Fleming - F3
	Moderator: Yati Waghray , Global Innovation & Marketing Director, Synthomer - Adhesives Solutions
	15:30 – 16:00 Between Alignment and Autonomy: Navigating the UK Adhesives & Sealants Market in an Era of Regulatory Uncertainty • Lorna Williams , Chief Executive Officer, BASA - The British Adhesives and Sealants Association
	16:00 – 16:30 Europe's Adhesives and Sealants Sector in Focus: Market Dynamics amid Regulatory Change • Kristel Ons , Secretary General, FEICA - The Association of the European Adhesive & Sealant Industry
	16:30 – 17:00 Strategic Intel on the North American Adhesive & Sealant Market and Regulatory Developments • Bill Allmond , President, ASC - The Adhesive and Sealant Council
	17:00 – 17:30 The Adhesives Market, Trends and Regulatory Developments in ARAC • Donald Hsiao , Chairman, Asia Regional Adhesive Council (ARAC), and Vice Chairman and Convener of the International Committee, TSRAIA - Taiwan Synthetic Resins and Adhesives Industry Association • Jeffrey Huang , Vice Chairman and Convener of the Environmental, Health & Safety Committee, TSRAIA - Taiwan Synthetic Resins and Adhesives Industry Association
	15:30 – 17:30 Parallel Sessions - Breakout II
	Smart Additives for Advanced Adhesive Formulations 📍 Room Whittle - F3
	Moderator: Alessandro Napoli , Innovation & Regulatory Lead, Huntsman Advanced Materials
	15:30 – 16:00 Selective Uses of Aromatic Tackifiers in UV Curing Adhesives • Dr Jun Liu , Head of Competence Center R&M, Rain Carbon Germany GmbH
	16:00 – 16:30 Tailored Fillers for Flame retardant, Thermal Conductive and Ceramifying Resins • Dr Carsten Ihmels , Head of R&D department for Adhesives and Thermosets, Nabaltec AG
	16:30 – 17:00 The Journey Towards Bio-Based High-Solvating Plasticizers for CASE Applications • Karl Billast , Global Technical Marketing Director, Valtris Specialty Chemicals
	17:00 – 17:30 Low Moisture Mineral Fillers and Novel Silanes Provide VTMO-free Hybrid Adhesive • Christopher Dobbins , Senior Expert CASE, Omya International AG



H.B. Fuller



INVENT THE INVISIBLE.

Connecting what matters.
Explore more at hbfuller.com

Time Schedule – Detailed

Wednesday, 16 September 2026

12:30 – 18:30 Table Top Exhibition

15:30 – 17:30 Parallel Sessions - Breakout III

Precision Application & Process Control

📍 Room Churchill - GF

Moderator:

Dr Axel Hessland, Consultant

15:30 – 16:00

High-Temperature Adhesive–Metal Composites for Fixture-Free Brazing Applications

- **Iliia Bobrov**, Research Fellow, Guenter-Koehler-Institut für Fuegetechnik und Werkstoffpruefung GmbH (ifw Jena)

16:00 – 16:30

Enhancing Quality Control in Two-Part Structural Adhesives

- **Alissa Wenner**, Global Application Engineer – Adhesives, 3M

16:30 – 17:00

Eliminate Instabilities in Adhesive Mixing by using Gear Pump Extruders

- **Julia Uth**, Technical Director, UTH GmbH

17:00 – 17:30

Jetting High-Viscosity Adhesives: A Digital, Scalable, Waste-Free Solution

- **Ben Hartkopp**, Founder, Inventor, Head of Research and IP, Quantica

15:30 – 17:30 Parallel Sessions - Breakout IV

From Evidence to Impact: Future-Proofing Industry

📍 Room Mountbatten - F6

Moderator:

Mikaela Decio, Corporate Environmental Sustainability Manager, Mapei SpA

15:30 – 16:00

Boundary Breaking · Precision Research · Intelligent Manufacturing

- **Nina Qian**, Marketing Director, Shanghai Farfly Energy Technology Co. Ltd.

16:00 – 16:30

Decoding Raw Material Impact on the Carbon Footprint of Sustainable Sealants

- **Dr Ewa Kosmala**, Global Sustainability Director, Selena FM SA

16:30 – 17:00

Green Platform Strategy: Enabling Circular Manufacturing and Scope 3 Decarbonization Across Industries

- **Michał Dudek**, R&D Manager double as QC Section Manager, Tex Year Europe Sp. z o. o.

17:00 – 17:30

Against the Wind: How 2026 Results Overturned Our 2022 Hypothesis

- **Dr Raphael Schaller**, Head of Technology, Collano AG

18:30 – 20:30

WAC2026 Welcome Cocktail

📍 United Nations Green - QEII Entrance Garden

Sponsored by



Pre-meetings

Wednesday

Thursday

Friday

TIME SCHEDULE – DETAILED

PRE-MEETINGS

WEDNESDAY

THURSDAY

FRIDAY

Time Schedule – Detailed

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	09:00 – 10:30 Plenary Session II ‘Geo-Economic Resilience’ ♡ Room Whittle & Fleming - F3 Moderator: Anne De Baetzelier 09:00 – 09:05 Introduction Anne De Baetzelier 09:05 – 09:35 Executive Address: Geoeconomic Resilience: Why Materials Matter More Than Ever Laurent Peyronneau , Executive Vice President, Bostik and Member of Arkema’s Executive Committee 09:35 – 10:25 Keynote Presentation: The Frontier of the New Geoeconomy: Supply Chains and Technology Dr Keyu Jin 10:25 – 10:30 Close of Plenary Session II
	10:30 – 11:00 Coffee Break ♡ EXPO area (F1, F2, F3)
	11:00 – 13:00 Parallel Sessions - Breakout V Market Dynamics & Collaboration ♡ Room Fleming - F3 Moderator: Dr Steffen Maier , Global Technology Manager Water Based Adhesives, Sika Technology AG 11:00 – 11:30 Developing Sustainability Roadmaps for the Adhesives and Sealants Industry • Dr Lukas Jongkind , Sustainability Director, Synthomer 11:30 – 12:00 Global Market Outlook for Adhesives and Sealants • Adam Page , VP Reports, Smithers 12:00 – 12:30 Shifting Adhesive Supply Chains: Hydrocarbon and Rosin Ester Tackifier Outlook • Leonardo Siqueira , Editor, Pine Chemicals, Argus Media 12:30 – 13:00 Building Stronger Bonds Through Industry–Startup Collaboration • Dr Uwe Franken , Senior Technical Manager, Henkel AG & Co. KGaA

Sponsored by  **BOSTIK**

Pre-meetings

Wednesday

Thursday

Friday

Time Schedule – Detailed

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	11:00 – 13:00 Parallel Sessions - Breakout VI
	Reversible & On-Demand Debonding 📍 Room Whittle - F3
	Moderator: Matthew Thomas , Global Building Components Leader, EMEA R&D Director Co-Director Durable Goods, Bostik Ltd.
	11:00 – 11:30 A Water-based Reversible Glue • Prof. Mark Geoghegan , Roland Cookson Professor of Engineering Materials, Newcastle University
	11:30 – 12:00 Moisture Curable Polyurethane Adhesives for Consumer Electronics • Dr Chao Wang , Senior R&D Manager Engineering Adhesives, H.B. Fuller Company
	12:00 – 12:30 Sustainable High-Performance Adhesives: From Bonding to Semiconductor Debonding • Chia Liang Lin , Assistant Manager, Nanpao Resins Chemical Co. Ltd
	12:30 – 13:00 Enabling On-Demand Disassembly through Electrochemical Debonding • Kar Tean Tan , Adhesive Materials Engineer, Google
	11:00 – 13:00 Parallel Sessions - Breakout VII
	Advanced Hotmelt Technologies for Assembly 📍 Room Churchill - GF
	Moderator: Caroline Raine , Regulatory Officer, BASA
	11:00 – 11:30 Polybutene-1 based Hotmelts Tailored for Demanding Woodworking Applications • Dr Ankur Rastogi , Innovation Manager, LyondellBasell
	11:30 – 12:00 Functionalized Metallocene Polyolefins for Enhanced Adhesion in HMA • Jerry Xu , Application Development Manager, Clariant International Ltd.
	12:00 – 12:30 EVA Hotmelt Adhesives for Low-Grammage and Fast-Cooling Air Filter Applications • Zeynep Mert Ayalp , Solution Partner, Organik Kimya
	12:30 – 13:00 New Polyolefins for High Performance Hot Melt Adhesives in Automotive Interiors • Dr Kelven Feng , Principal Scientist, Synthomer

Time Schedule – Detailed

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	11:00 – 13:00 Parallel Sessions - Breakout VIII
	SMP Formulation: From Design to Application 📍 Room Mountbatten - F6
	Moderator: Dr Martin Klatt , Executive Specialist Regulatory Affairs Dispersions Europe, BASF SE
	11:00 – 11:30 Lighter & Stronger – Next Generation High Performance Eco-friendly STP Adhesives • Dr Matthias Koebel , CEO, Siloxene AG
	11:30 – 12:00 Tailoring STP Properties: Leveraging Monofunctional Polyether Polyols • Dr Samuel Ho , Polymer Solutions Engineer, AGC Inc.
	12:00 – 12:30 Optimized Manufacturing Process of SMP with Easy-to-activate Thickener • Dr Thomas Nazé , Technical Manager – Adhesives & Sealants, Arkema
	12:30 – 13:00 Development of Cleanroom Sealants for Semiconductor Manufacturing Environments • Kazuaki Okada , Engineer, Research & Development Department, Cemedine Co., Ltd
	13:00 – 14:00 Lunch 📍 EXPO area (F1, F2, F3)
	14:00 – 15:30 Plenary Session III
	'Future-Proof Agility' 📍 Room Whittle & Fleming - F3
	Moderator: Anne De Baetzelier
	14:00 – 14:05 Introduction Anne De Baetzelier
	14:05 – 14:35 Executive Address: Shaping in a World of Constant Change Mark Dorn , Executive Vice President, Henkel Adhesive Technologies and Member of the Henkel Management Board, Henkel AG & Co. KGaA
	14:35 – 15:25 Keynote Presentation: Future IQ: Why Playing it Safe is the Biggest Risk Terence Mauri
	15:25 – 15:30 Close of Plenary Session III
	15:30 – 16:00 Coffee Break 📍 EXPO area (F1, F2, F3)

Pre-meetings

Wednesday

Thursday

Friday

Time Schedule – Detailed

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	16:00 – 18:00 Parallel Sessions - Breakout IX
	Performance & Compliance in Packaging Systems 📍 Room Fleming - F3
	Moderator: Alexandra Ross , Regulatory Stewardship Manager EIMEA, H.B. Fuller Deutschland GmbH
	16:00 – 16:30 Bridging the Adhesion Gap: Functional Solutions for SUPD-Compliant Coated Papers • Carla Soares , R&D Manager, H.B. Fuller Isar Rakoll SA
	16:30 – 17:00 Implementing Circularity under the EU Packaging and Packaging Waste Regulation • Dr Dennis Bankmann , Managing Partner, Emerging Motif
	17:00 – 17:30 Rethinking Adhesive Packaging: How Clip-based Flexible Packs Cut Waste by Design • Michael Hoffmann , Head of Business Unit Technicals, Poly-Clip System GmbH & Co. KG
	17:30 – 18:00 Engineered EAA Emulsion for High-Performance, Sustainable Packaging • Kate Jamieson , R&D Manager, Solstice Advanced Materials
	16:00 – 18:00 Parallel Sessions - Breakout X
	Sustainable PU Systems: From Raw Materials to Reactivity 📍 Room Whittle - F3
	Moderator: Dr Joss Pepe Strache , European Technical Service Specialist Adhesives & Sealants, IMCD Deutschland GmbH
	16:00 – 16:30 Innovative Raw Material Solutions for PUR Hot Melt Adhesives • Eric Dou , General Manager, Jianqin International Trading (Shanghai) Co., Ltd.
	16:30 – 17:00 Polyurethane Based Adhesives – No Isocyanate but Carbon Dioxide as Feedstock • Prof. Andreas Hartwig , Deputy Director, Chief Scientist, Fraunhofer IFAM
	17:00 – 17:30 Dual-Function Amine-Blocked TDI Dimer Dispersion for Sustainable PU Adhesives • Sammy Schröter , Vice President, Isochem Kautschuk Group
	17:30 – 18:00 Next-Generation Reactive Systems for Isocyanate Restricted Applications • Erwin Honcoop , Research & Technology Leader, Cargill Bioindustrial

TIME SCHEDULE – DETAILED

PRE-MEETINGS

WEDNESDAY

THURSDAY

FRIDAY

Pre-meetings

Wednesday

Thursday

Friday

Time Schedule – Detailed

Thursday, 17 September 2026

09:00 - 18:00 Table Top Exhibition	16:00 – 18:00 Parallel Sessions - Breakout XI
	Research Advances in Adhesive Science & Processing 📍 Room Churchill - GF
	Moderator: Christopher Dobbins , Senior Expert Technical Services Material Science CASE, Omya International AG
	16:00 – 16:30 Adhesive Bonding as an Enabler for Sustainable Materials and Manufacturing • Dr Doerthe Jakobi , Research Fellow, Guenter-Koehler-Institut für Fuegetechnik und Werkstoffpruefung GmbH (ifw Jena)
	16:30 – 17:00 Vitrimer Based Debondable Adhesives: Demonstration and Computational Analysis • Dr Christof Nagel , Senior Scientist, Fraunhofer IFAM
	17:00 – 17:30 Surface and Chemical Changes Affecting Tack in PSA/paper Tapes with Different Adhesive Thickness • Dr Jose Miguel Martín-Martínez , Scientific Consultant, Noxun
	17:30 – 18:00 Extrusion of Biopolymers: A Platform Technology for Bio-based Adhesives • Dr Bernhard Seidl , Team Lead, Agrana Research and Innovation Center GmbH
	16:00 – 18:00 Parallel Sessions - Breakout XII
	Defossilisation & Circularity in Adhesives 📍 Room Mountbatten - F6
	Moderator: Fabio Chiozza , Product Manager, Vinavil SpA
	16:00 – 16:30 Sustainability of Polymer Technology for Modern Tape & Label Applications • Dr Kristin Schoene , Market Development Manager – Tapes & Labels, Synthomer
	16:30 – 17:00 From Fossil to Bio-based: Scaling Renewable Chemistry in Adhesive Production • Adam Lindholm , Head of Sales & Business Development, Sekab
	17:00 – 17:30 Defossilizing the Chemical Industry: Are Alternative Feedstocks Ready to Scale? • Dr Rafael Pellicciotta , Business Development Manager, Braskem
	17:30 – 18:00 MOSH/MOAH in Food Contact Adhesives: A Technical Perspective • Emma Öberg , Senior Technical Advisor, Nynas AB
	19:30 – 00:00 WAC2026 Dinner 'A Night in London' 📍 Old Billingsgate
Pre-meetings Wednesday Thursday Friday	

29 September is International Adhesive & Sealant Day

www.internationaladhesiveandsealantday.com

Join the FEICA community in sharing the industry's positive impact for a circular society.

Think Sustainable Future.
Think Adhesives & Sealants.



Time Schedule – Detailed

Friday, 18 September 2026

09:00 - 14:30 Table Top Exhibition	09:00 – 10:30 Plenary Session IV	
	'Uncertainty as Opportunity' ♡ Room Whittle & Fleming - F3	
	Moderator: Anne De Baetzelier 09:00 – 09:05 Introduction Anne De Baetzelier 09:05 – 09:35 Executive Address: The Power of People in an Unpredictable World Celeste Mastin , President and Chief Executive Officer, H.B. Fuller 09:35 – 10:25 Keynote Presentation: The Never Normal: How to Leverage the Uncertainty Principle Peter Hinssen 10:25 – 10:30 Close of Plenary Session IV	
	15:30 – 16:00 Coffee Break ♡ EXPO area (F1, F2, F3)	
	Sponsored by  H.B. Fuller	
	11:00 – 13:00 Parallel Sessions - Breakout XIII	
	Data-Driven Innovation in Adhesives ♡ Room Fleming - F3	
	Moderator: Carol Merrin , Regulatory Officer, BASA 11:00 – 11:30 Stick With Us Here: How To Benefit Chemists Using Data and Digitalisation • Stuart Croft, Global Lead for Nuage, Sika • Will Tashman, Co-Founder and CCO, Uncountable 11:30 – 12:00 Predictive Digital Twins for Optimized Quality Control in Polymers & Adhesive Manufacturing • Thouheed Abdul Gaffoor, CEO & Co-Founder, Basetwo AI 12:00 – 12:30 Driving Innovation with Purpose at Sika • Dr Debora Eiler, Project Leader, Sika Technology AG 12:30 – 13:00 Accelerating Adhesives Application Engineering with AI: Faster Formulation Starts, Better Customer Response, and Scalable Expert Knowledge • Hannah Melia, Head of Marketing, Citrine Informatics	

Pre-meetings

Wednesday

Thursday

Friday

Time Schedule – Detailed

Friday, 18 September 2026

09:00 - 14:30 Table Top Exhibition	11:00 – 13:00 Parallel Sessions - Breakout XIV
	SMP Chemistry: Advancing Adhesive Performance 📍 Room Whittle - F3
	Moderator: Dr Martin Stimpson , New Business Consultant, BASA
	11:00 – 11:30 Development of High-strength Silyl-modified Polymer Adhesives • Dr Claudio Toncelli , R&D Manager, L&L Products
	11:30 – 12:00 New Possibilities Through Silane Modified Polymer Technology • Dr Daichi Yokota , Assistant Manager, Kaneka Corporation, Performance Polymers (MS) Solutions Vehicle
	12:00 – 12:30 Novel Trimethoxy Silyl Polyether (STPE) for High Performing Adhesive & Sealant Applications • Loriane Parisot , Global Technical Service & Development Manager, Dow Performance Silicones
	12:30 – 13:00 Silane Modified Acrylate-polyether Hybrid Polymer for Adhesive and Sealants • Dr Qiang Luo , Technical & Business Director, Risun Polymer
	11:00 – 13:00 Parallel Sessions - Breakout XV
	Next-Generation Adhesives & Sealants Chemistry 📍 Room Churchill - GF
	Moderator: Mario Sommer , Head of Technical Assistance and Project Consulting, Sopro Bauchemie GmbH
	11:00 – 11:30 What a Drop Can Tell • Adrien Schmidt , Head of Business Development, Innotech Marketing und Konfektion Rot GmbH
	11:30 – 12:00 High-End Waterborne Acrylics – Breaking Performance Boundaries, Sustainably • Marco Schmidt , Senior Technical Marketing Manager, BASF SE
	12:00 – 12:30 Low-Temperature Organic Thixotropes Enhancing Sustainability for Future Sealants • David Rodrigues , Manager Global Adhesives Sealants Construction R&D, Elementis Ltd
	12:30 – 13:00 3-Methyl-1,5-Pentanediol for Low-Viscosity Polyols and Polyurethane Adhesives • Yusuke Murata , Section Manager, Kuraray

Time Schedule – Detailed

Friday, 18 September 2026

09:00 - 14:30 Table Top Exhibition	11:00 – 13:00 Parallel Sessions - Breakout XVI
	Sustainable & High-Performance Hotmelt Solutions 📍 Room Mountbatten - F6
	Moderator: Dr Igor Korczagin , Director, Global Adhesive & Coating Technology, PD and Innovation, UPM Adhesive Materials Co.
	11:00 – 11:30 Sustainable Hot Melt Polymer Solutions • Christopher Johnson , Sales Account Manager, Clariant
	11:30 – 12:00 Sustainable Solutions for Hotmelt Adhesives • Cristina Vergani , Technical Manager Adhesives & Sealants, IMCD Group
	12:00 – 12:30 (Meth)Acrylic Resins for High Performance Reactive Hotmelts • Dr Francisco Aznarez-Peman , Technical Service Manager, Röhm GmbH
	12:30 – 13:00 Next generation TPU Adhesive Solutions: Advancing Toward Sustainable Innovation • Mary Aiken-Wood , Account Manager, UK and Ireland, Bjørn Thorsen
	13:00 – 14:30 WAC2026 Close & Networking Lunch with WAC2030 Announcement 📍 EXPO area (F1, F2, F3)

Pre-meetings

Wednesday

Thursday

Friday



15-17 September 2027

European Adhesive & Sealant Conference and EXPO

**Porto Antico Conference
Centre, Genova, Italy**

www.feica-conference.com

SAVE THE DATE



Presentation Abstracts - Plenary Session

Reinventing the Future

Presentation Abstracts

Wednesday, 16 September 2026

Plenary Session I

'Future-Ready Leadership'

📍 Room Whittle & Fleming - F3



13:30 – 13:35

Welcome & introduction by Anne De Baetzelier



13:35 – 13:40

Opening of the WAC2026 'Reinventing the Future'

Stuart Jenkinson

FEICA President

Vice President – Health, Hygiene & Consumables Europe, H.B. Fuller



13:40 – 14:25

Keynote Presentation: Leadership in a VUCA-MAX World

Matthew Griffin

Today's leaders face the most complex operating environment in decades – shifting customer expectations, relentless regulatory change, and technology curves that outpace planning cycles. Matthew will illuminate where disruption is really coming from, showcase 'the new art of the possible,' and translate it into practical leadership moves; future mindsets, next-gen organisation design, and culture shifts that turn uncertainty into advantage. Attendees leave with a clear lens on near-term threats and the tools and habits to build future-ready strategies that out-innovate faster competitors.



14:25 – 14:55

Keynote Presentation: From Disruption to Readiness: Leading Organisations Through Real Trade-offs

Dr Norman Goldberg

We have left the era of stable plans behind. Across global industries, the variable that now decides whether an organisation moves or stalls is no longer the quality of its strategy. It is the quality of the choices its leaders make under pressure, and the speed with which those choices become action.

Drawing on executive and board-level experience across multiple industries and geographies, Dr Goldberg reflects on what has fundamentally shifted for senior leaders in recent years. Transformation has become a matter of choices, not plans. The hardest part is rarely knowing what to do. It is having the clarity, the personal ownership and the courage to do it, fast enough to matter. Innovation, after all, is not the idea. It is the market result.

The keynote explores how CEOs and boards turn complexity and volatility into clear priorities, navigate unavoidable trade-offs with personal accountability rather than committee comfort, and build short-term readiness without losing long-term direction. It is a frank, experience-based perspective on the leadership behaviours and organisational capabilities that genuinely distinguish future-ready organisations from those that are merely busy.

Wednesday, 16 September 2026

Breakout I

Regional Updates

📍 Room Fleming - F3



15:30 – 17:30

Moderator

Yati Waghray, Global Innovation & Marketing Director, Synthomer - Adhesives Solutions



15:30 – 16:00

Between Alignment and Autonomy: Navigating the UK Adhesives & Sealants Market in an Era of Regulatory Uncertainty

Lorna Williams

CEO of the Adhesives & Sealants Association in the UK & Ireland (BASA)

In this regional update, Lorna Williams, CEO of BASA, examines the evolving UK adhesives and sealants (A&S) market through the lens of growing complexity and uncertainty. Alongside an overview of current market demand, the session will highlight which end-use sectors are driving growth and which are facing ongoing decline, reflecting broader economic and industrial shifts.

While Brexit created the opportunity for a more agile and competitive regulatory framework, the reality for manufacturers has been far less clear. Ongoing divergence from EU legislation, often without a defined long-term direction, has introduced duplication, increased costs, and operational uncertainty for businesses trading across borders.



16:00 – 16:30

Europe's Adhesives and Sealants Sector in Focus: Market Dynamics amid Regulatory Change

Kristel Ons

Secretary General, FEICA

In this session, FEICA Secretary General Kristel Ons will deliver a strategic perspective on the European adhesives and sealants (A&S) market. The presentation will analyse key market developments, focusing on emerging trends, growth drivers, and the wider economic environment influencing the sector across Europe.

Special attention will be given to the rapidly changing regulatory framework, including major EU policy initiatives related to chemicals management, sustainability, and circular economy objectives. The session will highlight how these regulatory shifts, together with ongoing geopolitical and economic challenges, are reshaping market dynamics and strategic decision-making.

The presentation will further address the broader implications for industry competitiveness, innovation capacity, and global trade, providing insight into how the European A&S sector is navigating an increasingly complex and evolving landscape.



16:30 – 17:00

Strategic Intel on the North American Adhesive & Sealant Market and Regulatory Developments

Bill Allmond

President, ASC

In this session, Bill Allmond, President of the ASC, will provide a strategic overview of the North American adhesives and sealants (A&S) market. The presentation will explore current market dynamics, including key trends, growth opportunities, and the evolving regulatory and economic landscape.

A particular focus will be placed on the impact of geopolitical tensions and market uncertainties, and how these factors are shaping the competitive environment. The session will also consider how regulatory and market developments in North America may influence international trade flows and market conditions in other regions, including Europe.



17:00 – 17:30

The Adhesives Market, Trends and Regulatory Developments in ARAC

Donald Hsiao

Chairman, ARAC, and Vice Chairman and Convener of the International Committee, TSRAIA



Jeffrey Huang

Vice Chairman and Convener of the Environmental, Health & Safety Committee, TSRAIA

Amid geopolitical uncertainty, supply chain realignment, and the global transition toward sustainability, Asia's adhesives industry is entering a new phase of transformation. Based on data from the Asian Regional Adhesive Council (ARAC), this report analyzes market developments in TSRAIA, JAIA, and CATIA from 2021 to 2025, covering market performance, trade statistics, and key end-use sectors.

The analysis shows that sustainability and advanced manufacturing are reshaping the industry. Demand for high-performance water-based, reactive, and bio-based adhesives continues to grow, while semiconductor packaging, AI data centers, electric vehicles, and unmanned systems are emerging as key drivers of future demand.

As the world's largest manufacturing region, Asia is playing a pivotal role in advancing innovation, resilient supply chains, and the circular economy. This report presents Asia's perspective on responding to global challenges and identifies the opportunities that will shape the next generation of the global adhesives industry.

In Asia the adhesive and sealant industry is placing increasing emphasis on environmental responsibility, regulatory compliance, and sustainability reporting. TSRAIA, CATIA, and JAIA have been actively addressing environmental issues, reporting practices, and related industry initiatives. This presentation will highlight recent environmental topics across these regions, including sustainability trends, regulatory expectations, and the role of industry associations in supporting environmental communication and reporting.

Wednesday, 16 September 2026

Breakout II

Smart Additives for Advanced Adhesive Formulations

📍 Room Whittle - F3



15:30 – 17:30

Moderator

Alessandro Napoli, Innovation & Regulatory Lead, Huntsman Advanced Materials



15:30 – 16:00

Selective Uses of Aromatic Tackifiers in UV Curing Adhesives

Dr Jun Liu

Head of Competence Center R&M, Rain Carbon Germany GmbH

UV curing adhesives are increasingly considered for industrial bonding applications due to their rapid cure speed, low energy demand, solvent free formulations, and precise process control. These advantages enable high productivity and support sustainability goals across multiple manufacturing sectors.

Despite these benefits, the formulation of UV curable adhesives remains challenging, particularly with respect to resin selection. Aromatic resins, commonly used in conventional adhesive systems, are generally less suitable for UV curing applications because their strong UV absorption reduces photoinitiator efficiency and limits cure depth. In contrast, selected hydrocarbon resins with defined structure and appropriate molecular characteristics can be successfully incorporated into UV curable systems. Such resins provide performance benefits including improved tack, viscosity control, and enhanced adhesion, while maintaining sufficient UV transparency for efficient curing.

This presentation discusses the role of hydrocarbon resins in UV curing adhesives and outlines key selection criteria such as optical properties, compatibility with UV reactive components and molecular weight. Practical guidelines are presented to support the effective use of aromatic hydrocarbon resins in UV curable adhesive formulations.

Co-author:
Dr Matthias Steffen



16:00 – 16:30

Tailored Fillers for Flame retardant, Thermal Conductive and Ceramifying Resins

Dr Carsten Ihmels

Head of R&D department for Adhesives and Thermosets, Nabaltec AG

Modern adhesives used in automotive applications must meet several demanding requirements. These include high flame retardancy, effective thermal conductivity, and high compatibility with polymer materials. Functional fillers, such as aluminium hydroxide, are key to achieving these properties. For example, adding optimized aluminium hydroxide to polyurethane resins can significantly improve fire resistance and help prevent flame spread. Additionally, by adding modified aluminium hydroxide not only to the polyol but also to the hardener (isocyanate), it is possible to achieve very high filler loadings in the final compound. This helps to meet the thermal conductivity requirements for automotive applications such as gap fillers in Electric Vehicle Batteries and thermal conductive adhesives (TCA).

The multifunctional properties of aluminium hydroxide enable it to serve as an efficient filler for achieving both flame retardancy and thermal conductivity in challenging automotive applications. Utilizing optimized and modified aluminium hydroxide, rather than combining high-performance thermally conductive fillers with separate flame retardants, offers a highly cost-effective approach.

This overview introduces advanced aluminium hydroxide-based fillers with results in polyurethane and other thermoset resins. It also presents a new filler system designed to form heat barriers and promote ceramification effects in thermosets. Ceramification effects refer to the process where, under high temperatures, the resin transforms into a ceramic-like layer. This ceramic barrier helps protect materials from heat and flames. By using these fillers, manufacturers can create Polymeric compounds with enhanced safety and durability.



16:30 – 17:00

The Journey Towards Bio-Based High-Solvating Plasticizers for CASE Applications

Karl Billast

Global Technical Marketing Director, Valtris Specialty Chemicals

In this presentation, Valtris will guide you through the evolution of high-solvating plasticizers for CASE applications, focusing on systems based on polyurethanes, polyvinyl acetates, and acrylics. Our latest development is a benzyl high-solvating bio-based plasticizer, which will be compared with both current and historically used plasticizers. This novel material uniquely combines high solvating power with low volatility, low color, and low viscosity, while also offering a negative global warming potential. Comparative performance data, including rheology, adhesion, and mechanical properties, will be presented to highlight the advantages of this new bio-based solution.

Co-author:

Dr Amanda Freshwater (Global Application Development Manager)



17:00 – 17:30

Low Moisture Mineral Fillers and Novel Silanes Provide VTMO-free Hybrid Adhesive

Christopher Dobbins

Senior Expert CASE, Omya International AG

Vinyltrimethoxysilane (VTMO) is commonly used as a moisture scavenger in moisture curing silane terminated polymer systems to provide storage stability. Its inclusion in ECHA's Assessment of Regulatory Needs (May 2025) underlines increased regulatory scrutiny and the need for VTMO free formulation strategies. Simple replacement of VTMO with an alternative scavenger often proves insufficient, particularly in highly reactive hybrid adhesive and sealant systems where moisture management is critical.

Omya and Momentive have taken a collaborative approach to create VTMO-free hybrid solutions. By combining novel low moisture mineral fillers with advanced silane moisture scavengers, it is possible to achieve stable formulations while conserving key mechanical and adhesive performance characteristics. This presentation demonstrates how controlled filler selection and selected silane chemistry work synergistically to deliver reliable processing and storage stability. The results highlight a practical path for formulators seeking regulatory ready solutions while maintaining adhesive performance.

Wednesday, 16 September 2026

Breakout III

Precision Application & Process Control

📍 Room Churchill - GF



15:30 – 17:30

Moderator

Dr Axel Hesselnd, Consultant



15:30 – 16:00

High-Temperature Adhesive–Metal Composites for Fixture-Free Brazing Applications

Ilia Bobrov

Research Fellow, Guenter-Koehler-Institut für Fuegetechnik und Werkstoffpruefung GmbH (ifw Jena)

In modern manufacturing, brazing is widely used to join metallic components due to its ability to produce high-strength, leak-tight joints with minimal distortion. However, conventional brazing processes often require mechanical fixtures to maintain joint alignment while the filler metal is molten. These fixtures increase thermal inertia, energy consumption, cycle time, and production

costs, while restricting joint geometry. High-temperature adhesives may provide stability during the brazing cycle, but they cannot replace the filler since they do not provide the required mechanical joint properties. Combining both joining technologies is therefore considered a promising hybrid approach.

In the present work, hybrid brazing systems were systematically investigated in which a metallic filler is embedded in high-temperature resistant inorganic adhesive matrices, forming self-supporting composite joints. The systems provide temporary fixation prior to heating, enabling handling, transport, and stacking of pre-assembled components and eliminating the need for conventional fixtures. Liquid glass-based adhesives were identified as suitable binders for such hybrid systems. Unlike organic binders used in conventional brazing pastes, these adhesives do not decompose; however, remaining phases appear to integrate into the joint microstructure without detrimental effects. The seam microstructure is regarded as a result of the interaction between filler metal and adhesive matrix. The resulting joints show homogeneous microstructures and favourable shear strength depending on filler-to-binder ratio, surface preparation, and process parameters. This hybrid approach enables fixture-free and wide-gap brazing, simplifies pre-brazing logistics, and may reduce energy consumption, cycle time, and production costs.



16:00 – 16:30

Enhancing Quality Control in Two-Part Structural Adhesives

Alissa Wenner

Global Application Engineer – Adhesives, 3M

Two part structural adhesives are essential in industries such as automotive, electronics, and general industrial manufacturing. To achieve proper curing and performance, these materials must be mixed at the correct ratio. Historically, manufacturers have relied on off line or indirect methods to evaluate mix quality, which can delay detection of off ratio conditions. When mix ratios deviate, adhesive properties can be affected, leading to rework, scrap, quality issues, and production downtime. As quality expectations rise and production lines become more automated, the need for accurate, real time mix ratio monitoring continues to grow.

3M™ Adhesive Mix Monitor is a new to the world system that delivers real time, in process measurement of adhesive mix ratio at the point of dispense. The sensor captures electrical properties and temperature of the adhesive as it is dispensed. These data are processed through an adhesive specific machine learning model that evaluates mix quality. The system provides continuous feedback, enabling operators to identify issues immediately rather than discovering them after multiple parts have been produced. This supports improved process control, better adhesive traceability, and reduced waste. The solution integrates smoothly into existing production lines, offering manufacturers an efficient way to strengthen quality assurance without adding significant operational complexity.

By increasing confidence in adhesive performance and reducing the risk of off ratio failures, 3M™ Adhesive Mix Monitor helps manufacturers enhance productivity, achieve consistent results, and meet demanding customer and industry requirements.



16:30 – 17:00

Eliminate Instabilities in Adhesive Mixing by using Gear Pump Extruders

Julia Uth

Technical Director, UTH GmbH

The processing of highly viscous and sticky polymers in adhesive manufacturing is frequently affected by process instabilities, particularly during dosing and continuous mixing. Fluctuations in material feed, pressure variations, and inconsistent mass flow can significantly impair mixing quality and, consequently, the performance of the adhesive or seal. As the functional properties of adhesives strongly depend on precise raw material ratios, stable and reproducible feeding into continuous mixers is essential.

To address these challenges, a dosing and feeding concept based on gear pump extruder technology was developed and systematically investigated within a cooperative research project. The results of this work were subsequently transferred into industrial practice and today represent the state of the art in modern continuous adhesive mixing lines.

Base polymers are commonly supplied as bales or other highly viscous material forms, placing high demands on dosing and conveying technology. Conventional feeding systems often struggle to ensure a uniform and pulsation-free material flow, resulting in downstream instabilities within the mixing process. The use of a gear pump extruder as a central process element enables volumetric, pressure-stable, and constant mass flow, effectively decoupling upstream feeding irregularities from the continuous mixer.

In combination with suitable feeding units, this technology not only improves process stability but also enables the reliable processing of materials in various physical forms. The presented process engineering solutions demonstrate how a technology originally developed in a research environment has evolved into a reliable and industrially established state-of-the-art solution for high-quality, continuous adhesive mixing applications.



17:00 – 17:30

Jetting High-Viscosity Adhesives: A Digital, Scalable, Waste-Free Solution

Ben Hartkopp

Founder, Inventor, Head of Research and IP, Quantica

In e-motor and hydrogen fuel cell manufacturing, adhesives are functional components — directly affecting efficiency, thermal management, and gas-tight sealing integrity. Yet the dominant application method remains single-nozzle dispensing: limited volume and precision, and reliant on mechanical spreading during stack assembly, with limited flexibility to adapt to more complex design geometries without retooling.

This session presents two industrial case studies where Quantica's NovoJet™ inkjet printhead was evaluated as a direct replacement for dispensing. The first: sealing hydrogen fuel cell bipolar plate stacks with a UV-curing epoxy (Henkel Loctite, 13,000 mPa·s at ambient). The second: lamella bonding of e-motor stators and rotors using a thermally activated methacrylate (Kisling, 80 mPa·s). In both cases, existing certified formulations were used without modification.

Drop-on-demand jetting eliminates squeeze-out, reduces cycle time, and enables adhesive patterns impossible with a single dispensing nozzle. In e-motor manufacturing, precise patterning reduces eddy current losses, making the application method itself a lever for motor efficiency. In fuel cell manufacturing, controlled sealant placement ensures gas-tight performance across varied bipolar plate geometries.

The sustainability case is equally concrete: less material consumed, fewer cleaning steps, and a software-defined process that accommodates new product designs without new tooling, a critical advantage in a sector undergoing rapid design iteration.

Wednesday, 16 September 2026

Breakout IV

From Evidence to Impact: Future-Proofing Industry

📍 Room Mountbatten - F6



15:30 – 17:30

Moderator

Mikaela Decio, Corporate Environmental Sustainability Manager, Mapei SpA



15:30 – 16:00

Boundary Breaking · Precision Research · Intelligent Manufacturing

Nina Qian

Marketing Director, Shanghai Farfly Energy Technology Co. Ltd.

This presentation addresses the bottlenecks of traditional mixing equipment in areas such as multi-component dispersion, viscosity control, and environmental efficiency, which are becoming key obstacles to green transformation. It focuses on in-depth analysis of three major innovative paths for high-viscosity mixing equipment: structural breakthroughs—three-dimensional mixing force field design to solve mixing dead zones for high-viscosity materials; intelligent precision—automated metering and AI algorithm-driven transformation from experience-based operation to data-driven operation; and green intelligent manufacturing—energy-saving design and CIP cleaning system to reduce energy consumption and emissions throughout the entire lifecycle.



16:00 – 16:30

Decoding Raw Material Impact on the Carbon Footprint of Sustainable Sealants

Dr Ewa Kosmala

Global Sustainability Director, Selena FM SA

The transition to more sustainable building and industrial materials requires a deeper understanding of the environmental footprint of sealants throughout the value chain. This presentation analyzes the environmental and carbon footprints of three major sealant technologies: acrylic, hybrid, and silicone with a particular focus on how raw material selection impacts overall product performance from a sustainability perspective. The analysis highlights the impact of individual formulation components on the product's carbon footprint and broader environmental indicators, including the role of selected BASF raw materials in creating solutions with a lower environmental impact. By comparing alternative raw material choices and formulation strategies, the presentation demonstrates

how manufacturers can actively manage and reduce the environmental footprint of sealants without compromising technical and performance parameters. The main focus is on practical approaches to managing the carbon footprint at the product level: selecting raw materials with lower carbon emissions, optimizing formulations, and using reliable environmental data to support the decision-making process. It also demonstrates how such improvements can benefit end customers, particularly through the reduction of Scope 3, Cat. 1 emissions. Furthermore, it addresses how to credibly communicate sustainability benefits to customers. A benefits oriented communication approach is proposed that translates technical environmental improvements into customer value, while avoiding oversimplification and greenwashing. The goal is to demonstrate how transparent, data-driven sustainability communications can support both regulatory compliance and market differentiation. Overall, it provides a practical framework for developing and promoting more sustainable acrylic, hybrid, and silicone sealants by combining expertise in formulation, environmental footprint management, and responsible communication with customers.

Co-author:

Marco Schmidt Senior Technical Marketing Manager, Technical Sales Polymer Dispersions for Architectural Coatings & Construction, Europe



16:30 – 17:00

Green Platform Strategy: Enabling Circular Manufacturing and Scope 3 Decarbonization Across Industries

Michał Dudek

R&D Manager double as QC Section Manager, Tex Year Europe Sp. z o. o.

As industries accelerate toward net-zero emissions and circular economy transformation, Scope 3 decarbonization has become a critical challenge across global supply chains. Although adhesives are used in relatively small quantities, they significantly influence recyclability, energy consumption, waste reduction, and product carbon footprints.

This presentation introduces Tex Year's Green Platform Strategy (GPS), aligned with United Nations SDG17 'Partnerships for the Goals,' as a collaborative framework connecting material suppliers, chemical companies, recycling systems, research institutes, and downstream industries to accelerate sustainable manufacturing and circular innovation.

The presentation demonstrates how adhesive technologies contribute to low-carbon manufacturing through material innovation, process optimization, and life cycle thinking. Examples include compostable fruit-label hot melt adhesives fully biodegrading within 120 days, bio-based hot melt systems reducing carbon emissions by more than 20%, and Innofusion® recycling-oriented adhesive systems lowering furniture product carbon footprints by approximately 28%.

Packaging applications demonstrate particularly strong decarbonization potential. Low-temperature hot melt adhesives can reduce operational electricity consumption by up to 68%, while lightweight packaging positioning adhesives may reduce more than 1,000 tons of secondary plastic packaging annually and lower CO₂e emissions by 10–45%.

In electronics manufacturing, MiniLED NCSP packaging technologies may reduce manufacturing carbon footprints by 40–60%, low-temperature OCA rework systems may reduce process emissions by 50–70%, and UV LED curing technologies can reduce Scope 2 electricity-related emissions by up to 90%.

The presentation also introduces ultra-low VOC hot melt adhesives for semiconductor clean-room filtration systems and ongoing collaboration with Taiwan's Industrial Technology Research Institute (ITRI) on advanced semiconductor debonding technologies.

Through low-carbon materials, circular design, and SDG17-based collaboration, GPS demonstrates how the adhesive industry can evolve into a sustainable innovation platform supporting circular economy transformation and Scope 3 decarbonization.



17:00 – 17:30

Against the Wind: How 2026 Results Overturned Our 2022 Hypothesis

Dr Raphael Schaller

Head of Technology, Collano AG

In the autumn of 2019, seven racing boats departed Le Havre carrying sails built from a new generation of fiber-reinforced adhesive films. The matrix: An adhesive based on ethylene–acrylic acid copolymer blended with an aliphatic polyether-polyurethane to improve the flexibility. The regatta was the Transat Jacques Vabre. The destination: Salvador de Bahia, 4,350 nautical miles across the Atlantic. The conditions were everything a polymer chemist fears in silence — cyclic thermal loading, relentless UV irradiation, high mechanical stress, and repeated wetting and drying. And the fears became reality — some sails delaminated.

At WAC 2022 in Chicago, we presented the failure as an endurance case study. We named temperature cycling as the probable root cause, pointing to the progressive degradation of the polyurethane component. We showed alternating climate test data, watched integrity of sails collapse after twenty cycles, and offered a hypothesis. It was an honest hypothesis. It was not the full answer.

Four years of further investigation have since revealed what the sea already knew. The dominant failure mechanism is not thermal fatigue but viscoelastic creep under sustained mechanical load — a slow, silent re-distribution of stress at the fiber-adhesive interface. Armed with this understanding, we developed a next-generation adhesive for sail membranes: a polyurethane-polycarbonate cross-linked with a 2,4-toluene diisocyanate dimer (TDI-dimer), combining the robustness of a polycarbonate backbone with the latent reactivity of the crosslinker — storage-stable at room temperature and field-validated in offshore competition.

This presentation delivers the answer we could not give in Chicago. It details the true failure mechanism of the 2019 Transat Jacques Vabre delamination, unpacks the chemistry behind the latest formulation, and presents field validation data from the latest offshore regattas. There is no more reason for fears, and the loop is closed.

Presentation Abstracts

Thursday, 17 September 2026

Plenary Session II

'Geo-Economic Resilience'

📍 Room Whittle & Fleming - F3



09:00 – 09:05

Introduction by Anne De Baetzelier



09:05 – 09:35

Executive Address : Geoeconomic Resilience: Why Materials Matter More Than Ever

Laurent Peyronneau

Executive Vice President, Bostik and Member of Arkema's Executive Committee

For decades, industrial competitiveness was built on efficiency, scale and globalization. Today, resilience has become equally important.

As geopolitical tensions rise, industrial policies evolve and value chains become more complex, materials are emerging as a critical source of competitive advantage. They influence how we build batteries, manufacture semiconductors, improve energy efficiency, design for circularity and accelerate the transition to a lower-carbon economy.

As the Adhesive Solutions segment of Arkema, a global leader in specialty materials, Bostik brings a unique perspective on these transformations. Through Arkema's presence across the value chain—from feedstocks and material science to formulation expertise and end-use applications—the Group benefits from a unique understanding of how innovation creates value across industries.

Through examples spanning battery technologies, circular economy solutions, bio-based material platforms and next-generation adhesive technologies, Laurent Peyronneau will discuss why the future of industrial resilience depends not only on securing resources, but also on creating new material platforms, enabling circularity and accelerating innovation.

Ultimately, geoeconomic resilience is not only about protecting existing business models. It is about creating the materials, technologies and partnerships that will enable the industries of tomorrow.



09:35 – 10:25

Keynote Presentation: The Frontier of the New Geoeconomy: Supply Chains and Technology

Dr Keyu Jin

As trade patterns realign and supply chains fragment, competitiveness depends on reading the new global map. Dr Jin will unpack how structural shifts, China's and Asia's evolving roles, policy frictions, and regionalisation, reshape risk, cost, and growth. Expect a pragmatic playbook for resilience: portfolio-of-supply strategies, scenario planning for trade shocks, and where to build optionality without eroding efficiency. The session equips executives to balance resilience with competitiveness in a world of frequent economic and geopolitical surprises.

Thursday, 17 September 2026

Breakout V

Market Dynamics & Collaboration

📍 Room Fleming - F3



11:00 – 13:00

Moderator

Dr Steffen Maier, Global Technology Manager Water Based Adhesives, Sika Technology AG



11:00 – 11:30

Developing Sustainability Roadmaps for the Adhesives and Sealant Industry

Dr Lukas Jongkind
Sustainability Director, Synthomer

To make sure that adhesives and sealant producers are able to meet their sustainability targets, it is essential to be clear on what actions can be taken in the value chain. Many sustainability targets have an intermediate target that needs to be met in 2030, it is important that companies in the adhesives and sealants industry agree on clear targets and deadlines. To be able to supply the adhesives and sealants industry with materials that are lower in carbon footprint while also looking to change feedstocks away from fossil sources, Synthomer has developed the concept of sustainability roadmaps. Sustainability roadmaps should contain clear actions and options that the whole value chain can take to meet decarbonization and defossilization targets and discuss what action will deliver results when. In this contribution, Synthomer will share its approach to creating sustainability roadmaps, showing the industry, how achieving targets is possible by collaborating in the value-chain.



11:30 – 12:00

Global Market Outlook for Adhesives and Sealants

Adam Page

VP Reports, Smithers

The global adhesives and sealants market is undergoing a period of transformation — driven by light-weighting in sectors including automotive, the shift away from solvent-based chemistries, and accelerating demand from packaging and e-commerce. This session maps the key demand drivers, regional growth dynamics, and technology trends reshaping where the market is heading through 2031 and beyond.



12:00 – 12:30

Shifting Adhesive Supply Chains: Hydrocarbon and Rosin Ester Tackifier Outlook

Leonardo Siqueira

Editor, Pine Chemicals, Argus Media

Global tackifier supply chains continue to shift as tariffs redirect trade flows and geopolitics disrupt sourcing and pricing. This presentation examines the global supply and demand fundamentals for hydrocarbon resin and rosin ester tackifiers used in adhesive applications, and explores how trade policy and geopolitical uncertainty are reshaping regional and global markets.

Combining Leonardo Siqueira's expertise in pine based tackifiers with Steve Williams' deep experience in C5 chemistry and hydrocarbon resin value chains, this presentation delivers a cross feed-stock perspective on evolving global tackifier markets.

Drawing on insights regularly shared at leading industry forums, including the Adhesive and Sealant Council (ASC) Annual Convention, the FEICA European Adhesive and Sealant Conference, and the Pine Chemicals Association (PCA) International Conference, the session highlights key market trends, risks, and opportunities across both hydrocarbon resins and pine chemical based tackifiers.

Co-author:
Steve Williams



12:30 – 13:00

Building Stronger Bonds Through Industry–Startup Collaboration

Dr Uwe Franken

Senior Technical Manager, Henkel AG & Co. KGaA

The adhesive industry stands at a critical inflection point. Geopolitical uncertainty, tightening regulatory frameworks, volatile supply chains, and accelerating sustainability demands are reshaping how materials are developed, sourced, and deployed across industries. In this environment, start-ups are emerging as key catalysts of transformation, bringing agility, interdisciplinary innovation, and new business models that challenge traditional approaches to adhesive formulation, manufacturing, and application.

By leveraging advances in bio-based chemistry, digital materials design, circular economy principles, and smart manufacturing, startups can help future proof the adhesive value chain. Their ability to rapidly prototype, test, and scale novel solutions enables faster responses to regulatory pressure, decarbonization targets, and shifting customer expectations. At the same time, collaboration with established industry players creates a powerful innovation ecosystem—combining entrepreneurial speed with industrial scale, market access, and technical expertise.

This evolution redefines adhesives not merely as enabling materials, but as strategic solutions embedded in resilient, sustainable, and digitally enabled systems. Connecting startups with industry leaders is therefore not optional—it is essential to navigating uncertainty and shaping a competitive, compliant, and future ready adhesive industry.

Thursday, 17 September 2026

Breakout VI

Reversible & On-Demand Debonding

📍 Room Whittle - F3



11:00 – 13:00

Moderator

Matthew Thomas, Global Building Components Leader, EMEA R&D Director
Co-Director Durable Goods, Bostik Ltd.



11:00 – 11:30

A Water-based Reversible Glue

Prof. Mark Geoghegan

Roland Cookson Professor of Engineering Materials, Newcastle University

A one-pot water-based reversible (debond-on-demand) adhesive that is scalable, inexpensive, based on commodity materials, and has a long shelf life is described. It exhibits excellent adhesion on different substrates, including plastic surfaces. Reversibility allows for the surfaces to be detached after immersion in high or low pH solution, depending on the formulation. Solvents such as acetone also work. The glue comprises polymer latex particles stabilized by polyelectrolytes and appropriate filler particles. Metal fillers permit a conducting glue.

Here, the emulsion polymerization of styrene and butyl acrylate, stabilized with either physisorbed chitosan or poly(acrylic acid) chemically grafted to the polymers, is presented. Hydrotalcite, a cationic clay, and montmorillonite, an anionic clay were added to the polycationic and polyanionic formulations respectively, at different concentrations. These provide formulations that, when coated onto a suitable substrate, adhere with lap shear strength (ISO 4587) of up to 1.5 MPa. The adhesion can be reversed by immersion in high (> 12) or low pH (< 3) water for polyanionic and polycationic formulations respectively. By heating the polyanionic sample under alkaline (pH 14) conditions to 85°C under mechanical agitation, reversibility can be on a time scale of ~30 minutes. Under these conditions, the adhesive detaches the substrate, leaving clean surfaces, ready for recycling.

The polyanionic emulsion is also presented with silver nanoparticles replacing the montmorillonite. Here, a best conductivity of $2.9 \times 10^{-5} \text{ S m}^{-1}$ is achieved, compared to $8 \times 10^{-5} \text{ S m}^{-1}$ for a good solder. It is also comparable with other conducting glues. Its unique property of reversibility means that it is very well placed to address problems in the recycling of electronic waste, which is a significant societal and environmental problem.

Co-authors:

Adriana Sierra-Romero, Katarina, Novakovic, Bassam A Aljohani, Ama B. Asiedu-Asante, Emmanuel Abotsi, and Volker Pickert. All are affiliated with the School of Engineering in Newcastle University.



11:30 – 12:00

Moisture Curable Polyurethane Adhesives for Consumer Electronics

Dr Chao Wang

Senior R&D Manager Engineering Adhesives, H.B. Fuller Company

Polyurethane-based Hot Melt Moisture Curable (HMMC) adhesive is a leading adhesive solution for touch panel bonding & assembly in portable electronic device manufacturing for its good bonding performances, reliability, processability and reworkability. According to the EU Ecodesign Regulation for Smartphones and Tablets, which came into force in June 2025, fasteners may only be used if they can be removed with commercially available tools and with a reasonable level of effort, without leaving residues that would prevent the product from being reassembled. To meet these requirements, H.B. Fuller has introduced one-component polyurethane-based adhesives designed specifically for portable electronic device repair. This polyurethane based system consists of a short clamping HMMC adhesive suitable for fully automated processes in repair service centers, as well as a manually applicable Liquid Moisture Curable (LMC) adhesive designed for DIY repair kits. The presentation will provide detailed insights into the chemistry, performance, and processing of these materials.

Conclusion: Reworkable adhesives combined with an easy to apply DIY product offer a compliant solution for the EU Ecodesign Regulation for Smartphones and Tablets. They are also well positioned to meet future requirements, including those anticipated under the Ecodesign for Sustainable Products Regulation (ESPR), in force since 2024, which is expected to introduce product specific obligations starting in 2027/2028.



12:00 – 12:30

Sustainable High-Performance Adhesives: From Bonding to Semiconductor Debonding

Chia Liang Lin

Assistant Manager, Nanpao Resins Chemical Co. Ltd

As the adhesive industry faces the urgent challenge of reaching Net Zero 2050, the focus must shift toward 'Sustainable Precision Adhesion.' This presentation explores how high-performance materials can be engineered to bridge the gap between traditional industrial bonding and advanced semiconductor processing through green chemistry.

At the industrial level, we demonstrate a transformative shift from solvent to water-based systems, achieving a 50% reduction in GHG emissions. A primary highlight is our water-based Lithium Battery Binder, which replaces toxic PVDF/NMP systems and lowers drying temperatures from $\sim 150^\circ\text{C}$ to $\sim 100^\circ\text{C}$, significantly enhancing energy efficiency in EV supply chains. Furthermore, our Liquid PUR (LPUR) technology reduces annual lamination power consumption from 57,600 kWh to 0 kWh, saving customers 28,454 KgCO_{2e} annually.

In the textile sector, we address the technical hurdles of coating fluorine-free (NF) fabrics by optimizing surface tension matching (36 vs. 42 dyn/cm) to eliminate pinholes and adhesive bleeding.

The presentation reveals the science behind UV cure release tapes for semiconductor manufacturing. By triggering a 3D network structure via UV irradiation, adhesion drops from 1500–2000 g/inch to <30 g/inch, ensuring clean, residue-free debonding and maximizing wafer yield.

Finally, we demonstrate Circular Economy integration, such as resynthesizing polyols from recycled PET and utilizing semiconductor waste SiO₂ in high-performance coatings. These innovations prove that sustainability and extreme performance are mutually reinforcing pillars of future adhesive technology.



12:30 – 13:00

Enabling On-Demand Disassembly through Electrochemical Debonding

Kar Tean Tan

Adhesive Materials Engineer, Google

Electrically debondable adhesives (ePSAs) represent a key enabler for circularity in consumer electronics by providing on-demand, electrochemically triggered disassembly. This presentation characterizes the mechanical performance and debonding kinetics of ePSAs optimized for device integration. Our research establishes a quantitative correlation between electrical parameters—specifically voltage and trigger time—and resulting bond degradation. Additionally, we analyze the adhesive's reliability through environmental aging and creep testing under thermal-mechanical stress. The integration of these empirical findings into high-fidelity FEA models allows for the determination of operational limits and informs the selection of materials for next-generation, repairable hardware.

Thursday, 17 September 2026

Breakout VII

Advanced Hot Melt Technologies for Assembly

📍 Room Churchill - GF



11:00 – 13:00

Moderator

Caroline Raine, Regulatory Officer, BASA



11:00 – 11:30

Polybutene-1 based Hotmelts Tailored for Demanding Woodworking Applications

Dr Ankur Rastogi

Innovation Manager, LyondellBasell

In the pursuit of continuous innovation, new woodworking hotmelt formulations have been successfully evaluated using the Polybutene-1 polymer. Metallocene catalyst based Polybutene-1 (mPB-1) offers the appropriate viscosity levels to address Profile wrapping, Panel wrapping and Edge-banding applications ensuring good wettability of bonding surfaces. Polybutene-1 is an isotactic semi-crystalline polyolefin that offers high cohesive strength, good thermal stability, hot tack, excellent heat resistance, long open time and low VOC properties in comparison to conventional polymers. mPB-1 is compatible with fully hydrogenated and aliphatic tackifiers in a hotmelt formulation. Also the compatibility of mPB-1 with other metallocene Polyolefin (mPO) or Amorphous Poly Alpha Olefin (APAO) available in the market unlocks the potential for enhanced properties for the application. In the current study, starting formulations with mPB-1 have been proposed and evaluated for woodworking. The bonded panels have been tested for their heat resistance, ageing characteristics and water resistance resulting in superior performance in profile wrapping, panel wrapping and edgebanding with different types of panels and coverings. The low VOC properties of mPB-1 ensure a reduced environmental impact. In terms of sustainability, it is also possible to have an ISCC plus certified mPB-1 using a mass-balanced renewable feedstock.

Co-author:

Andrea Fantinati (Unicol, Italy)



11:30 – 12:00

Functionalized Metallocene Polyolefins for Enhanced Adhesion in HMA

Jerry Xu

Application Development Manager, Clariant International Ltd.

Functionalized metallocene polyolefins provide an advanced solution for improving adhesion on low surface energy and difficult-to-bond substrates. Based on metallocene technology, these materials combine precise molecular design with tailored functionalization to enhance bonding performance in hot melt adhesive system

Maleic anhydride (MAH) grafted polyolefins significantly improve interfacial adhesion through increased polarity and compatibility, while silane-functionalized polyolefins enable moisture-curable systems with dual-stage bonding, delivering superior cohesion and heat resistance.

Together, these technologies offer a versatile platform for achieving reliable adhesion, improved durability, and enhanced processing performance, making functionalized metallocene polyolefins a key enabler for next-generation adhesive applications.

Co-author:

Timothy M. Sadow – Global Market Development Manager



12:00 – 12:30

EVA Hotmelt Adhesives for Low-Grammage and Fast-Cooling Air Filter Applications

Zeynep Mert Ayalp

Solution Partner, Organik Kimya

Hotmelt adhesives are widely used in air filtration applications, where they play a critical role in ensuring structural integrity and process efficiency during filter manufacturing. In particular, EVA-based systems are widely used for pleat stabilization to fix and maintain the filter media geometry. A key challenge in this application is achieving fast cooling behavior and reduced adhesive consumption without compromising substrate wetting and mechanical performance. While lower coat weights are essential for sustainability and cost efficiency, they can negatively affect bonding stability. In addition, increased cooling air intensity using line fans is commonly applied to support higher production speeds but may result in premature solidification and insufficient wetting.

Polyolefin (PO)-based hotmelt adhesives are often used for their lower density and reduced grammage. However, further reduction without compromising performance remains challenging. In this work, a modified EVA-based system achieves comparable low-grammage levels while maintaining adhesion and elasticity.

The formulation, based on a tailored hydrocarbon resin, wax, and polymer system, was designed to improve cooling behavior and reduce adhesive consumption. The influence of formulation design on process behavior and final performance is evaluated under application-relevant conditions, providing insights into more efficient and sustainable adhesive solutions for air filtration.

The relationship between formulation, process parameters, and performance is discussed, providing insights into more efficient and sustainable adhesive solutions for air filtration applications.



12:30 – 13:00

New Polyolefins for High Performance Hot Melt Adhesives in Automotive Interiors

Dr Kelven Feng

Principal Scientist, Synthomer

As plastic and polymer composites are increasingly used in automobiles to reduce vehicle weights and improve fuel efficiency, it is highly desired for hot melt adhesives (HMA) to create strong bonds with low surface energy substrates such as polypropylene. These bonds, when in automotive interiors, need to withstand possible extreme high temperature during vehicle usage. Synthomer has developed a portfolio of polyolefin polymers that enable the formulation of automotive hot melt

adhesives for above- and below-the-belt applications in automotive interior, which can require heat resistance of 100-120°C and less than 90°C, respectively. Due to unique structural characteristics, these polyolefins exhibit a range of desirable adhesion, heat resistance, tensile strength and elongation properties. This family of polyolefin polymers are designed to be utilized in the development of high performance HMAs with the desired heat resistance, cohesive strength, and strong bonds to low surface energy materials without pre-treatment.

A model HMA formulation comprising these polymers in combination with different elastomers, tackifiers and waxes, exhibits improved peel strength, superior thermal creep resistance, and excellent resistance against Dead Load in the desirable temperature ranges of 100-120°C and 80-90°C. In addition, model adhesives based on these polymers can withstand a weather test with high humidity, high temperature and low temperature cycles. Also, anti-blocking tests show that HMAs based on Synthomer new polymers can be pre-applied giving the Tier 1s and OEMs more work flexibility.

With this family of polyolefin polymers, the formulators will have access to new tools enabling them to develop high performance hot melt adhesives for both above-the-belt (door panels, headliners, dashboard, roof pillars) and below-the-belt (carpet, trunk, seats, etc.) applications.

Co-author:
Nadjet Suedmeyer

Thursday, 17 September 2026

Breakout VIII

SMP Formulation: From Design to Application

📍 Room Mountbatten - F6



11:00 – 13:00

Moderator

Dr Martin Klatt, Executive Specialist Regulatory Affairs Dispersions Europe, BASF SE



11:00 – 11:30

**Lighter & Stronger – Next Generation High Performance
Eco-friendly STP Adhesives**

Dr Matthias Koebel
CEO, Siloxene AG

Lightweighting is a trend that applies to many industries. In particular in the transportation sector but also in building & construction, the need for more compact, durable, sustainable and lighter products and solutions is becoming more apparent. Currently, no competitive lightweighting approaches exist for STP adhesives because the introduction of air bubbles or light-weight filler leads to a substantial loss of mechanical performance. Here we present a new approach to lightweighting adhesives products based on STP (silane terminated polymer) binder chemistry. Interestingly, when

properly combined, light weight filler and STP binders complemented by our unique family of STP a new generation of eco-friendly adhesives with a unique profile of properties can be achieved: tensile strength of cured adhesive test specimens reach up to 5MPa at an overall density of around 0.7g/cm³ – this equals to a strength to weight ratio roughly 3-5 times higher in comparison with commonly known products. Despite these new adhesive prototypes being minimal formulations with maximum five ingredients, their performance is outstanding in terms of adhesion profiles, aging performance and application relevant aspects. More importantly all formulations are free of organotin catalysts and monomer silane ingredients (moisture scavenger & adhesion promoters), thus setting the stage for the next generation of STP adhesive products. The presentation summarizes key features and applications in the context of current product needs and an outlook on possible applications.

Co-author:
Gabriel Pagotti



11:30 – 12:00

Tailoring STP Properties: Leveraging Monofunctional Polyether Polyols

Dr Samuel Ho
Polymer Solutions Engineer, AGC Inc.

Polyether polyols are used as raw materials across a wide range of polyurethane (PU) applications including various foams products, insulation, adhesive and sealants.

AGC produces High Molecular Weight Polyether Polyols with tailored functionality using AGC's proprietary catalyst technology. These polyols have a narrow molecular weight distribution due to the suppression of by-product formation. Compared to conventional polyols, this results in better mechanical properties like durability and workability. Using these High Molecular Weight Polyether Polyols as raw materials for adhesives and sealants for the synthesis of Silane Terminated Polyethers (STPs), would show enhanced mechanical performance and improved workability.

AGC also produces Monofunctional Polyether Polyols (Monols) using the proprietary catalyst technology. When incorporated during synthesis, these Monols allow the tuning of both uncured and cured properties of STPs.

The extend of these changes depends on both the molecular weight and the amount of Monol added. In practice, this improves mixing, pumping and allows easy control of rheology. Even at low doses, these Monols improve extrudability while maintaining hardness and elongation. This provides the potential for reducing the use of plasticizers and extending usable lifetime.

By reducing of reactive-site concentration, this increases open time while reducing modulus of the cured compound.

As a result, this approach serves as a tool to dictate and control specific properties of the sealant or adhesive while simultaneously improving end-user experience.

Co-authors:
Ryohei Koguchi, Hideyuki Takahara, Xuhui Liu



12:00 – 12:30

Optimized Manufacturing Process of SMP with Easy-to-activate Thickener

Dr Thomas Nazé

Technical Manager – Adhesives & Sealants, Arkema

Manufacturing efficiency represent key contributor in improving sustainability with lower energy demanding process and reduced cycle time. As such, rheology additive in STP sealants becomes an important lever for reducing process complexity and improving robustness. This presentation explores how easier-to-activate rheology modifiers can help lower shear demand, shorten mixing time and broaden formulation latitude while maintaining key performance attributes such as: anti-slump behavior, storage stability, gunnability and smooth application.

This work shows how our latest innovative rheology solution can contribute to more sustainable and resilient STP formulations with significant cost savings related to energy and increased productivity.



12:30 – 13:00

Development of Cleanroom Sealants for Semiconductor Manufacturing Environments

Kazuaki Okada

Engineer, Research & Development Department, Cemedine Co., Ltd

We have developed a sealing material with an extremely low level of outgassing that is suitable for use in semiconductor manufacturing cleanrooms. In recent years, as semiconductor devices have become increasingly high performance, the level of cleanliness required for their manufacturing environments has become more stringent. Airborne contaminants are an important factor affecting device yield during semiconductor manufacturing, and sealing materials, which are widely used throughout semiconductor manufacturing environments, can potentially become sources of airborne contamination. For example, silicone based sealing materials have the issue of containing low molecular weight cyclic siloxanes. In addition, polyurethane based sealing materials have the drawback that surface tackiness remains even after curing, making them prone to dust adhesion. To address these issues, we have developed a sealing material exhibiting a high level of low outgassing performance. In particular, excellent outgassing performance was achieved by selecting non volatile components. Moreover, by using a silyl terminated polyether polymer as the main component, the developed sealing material does not contain low molecular weight cyclic siloxanes, unlike conventional silicone based sealing materials, and is therefore suitable for use in semiconductor manufacturing cleanrooms. Furthermore, by optimizing the curing properties, surface tackiness disappears rapidly after curing, and by adjusting the hardness of the cured film, adhesion of dust to the surface of the sealing material can be prevented. With respect to adhesion, the sealing material also exhibits good adhesion to materials assumed to be used in cleanroom environments, even without the use of a primer. Owing to these characteristics, the developed sealing material is a useful cleanroom construction material for semiconductor manufacturing environments that are expected to become increasingly advanced in the future.

Co-authors:

Masato Akimoto, Yasushi Hatta

Thursday, 17 September 2026

Plenary Session III

'Future-Proof Agility'

📍 Room Whittle & Fleming - F3



14:00 – 14:05

Introduction by Anne De Baetzelier



14:05 – 14:35

Executive Address: Shaping in a World of Constant Change

Mark Dorn

Executive Vice President, Henkel Adhesive Technologies and Member of the Henkel Management Board, Henkel AG & Co. KGaA

As the adhesives industry confronts shifting regulatory landscapes, rising sustainability expectations, and accelerating technological change in Europe and beyond, future proof agility is becoming a defining capability for long term success. For Henkel, with its 150 year heritage, this means continuously evolving established strengths while preparing proactively for what lies ahead – by recognizing signals early, adapting at scale, and driving reinvention together with customers and stakeholders.

Several developments will shape the adhesives industry and reinforce the need for agility: Regulatory updates are sharpening the focus on transparent, risk based chemical management. A legislative framework driving competitiveness and sustainability acknowledging the enabling role of adhesives for both remains critical for the industry, with circularity at Henkel offering a tangible example of how these requirements can be translated into practice. At the same time, digitalization in material science, supported by emerging industrial data ecosystems, is transforming how innovation is generated, tested, and transferred across value chains.

The keynote will outline how Henkel is preparing for this shifting environment through multiple pathways and will demonstrate how strategic agility enables the company to turn change into opportunity – while continuing to shape the adhesives industry and advance future standards.



14:35 – 15:25

Keynote Presentation: Future IQ: Why Playing it Safe is the Biggest Risk

Terence Mauri

Yesterday's logic won't solve today's constraints. Terence will show how to turn megatrends into milestones by upgrading an organisation's 'Future IQ': strategic courage to choose, team resilience to adapt, and operating agility to execute. He'll share decision rituals for high-ambiguity contexts, ways to de-risk bold bets through experimentation, and simple metrics that convert long-range horizons into 90-day outcomes. Attendees leave with a concrete cadence for moving from insight to impact, fast.

Thursday, 17 September 2026

Breakout IX

Performance & Compliance in Packaging Systems

📍 Room Fleming - F3



16:00 – 18:00

Moderator

Alexandra Ross, Regulatory Stewardship Manager EIMEA, H.B. Fuller Deutschland GmbH



16:00 – 16:30

Bridging the Adhesion Gap: Functional Solutions for SUPD-Compliant Coated Papers

Carla Soares

R&D Manager, H.B. Fuller Isar Rakoll SA

Barrier coatings play a critical role in enabling fiber-based packaging, yet they can introduce downstream challenges in glue-ability and converting. At H.B. Fuller, barrier coating and adhesive development are closely connected, with performance designed not only for barrier requirements but also for how coated substrates will be assembled and sealed.

Mineral based coatings are becoming increasingly important in Europe as converters seek fiber-based solutions that meet Single Use Plastics Directive (SUPD) requirements. While they offer strong barrier performance, their inorganic nature creates significant adhesion and heat seal challenges, limiting manufacturability in applications such as foodservice and paper cups.

H.B. Fuller is developing a new class of heat seal coating solutions, to deliver SUPD compliant, functional performance.

H.B. Fuller's new solution improves adhesion, heat-sealing, productivity, and provides the potential for reduction in overall coat weight.

This presentation will share insights on barrier coatings for paper and the technical challenges of adhesion and heat sealing on barrier coated papers, implications for accelerating paper replacing plastic innovations within SUPD regulated markets, and real-world examples.



16:30 – 17:00

Implementing Circularity under the EU Packaging and Packaging Waste Regulation

Dr Dennis Bankmann

Managing Partner, Emerging Motif

The 2025 EU Packaging and Packaging Waste Regulation (Regulation (EU) 2025/40) is one of the most ambitious pieces of legislation ever enacted in the EU and quite certainly the most comprehensive packaging design and waste legislation in existence. A part of the EU Green Deal, it seeks to reduce packaging waste and make packaging circular.

However, despite its wide scope and ambitious provisions, most of the exact requirements placed on packaging and on economic operators who manufacture, produce, and fill packaging are not specified in the legal text. Key requirements yet to be developed include those related to circularity of packaging, such as design for recycling, recycling at scale, compostable packaging, packaging minimisation, excessive packaging, substances of concern, and more. These details will be provided through secondary legislation and European standards. This work already involves the European Commission and its Joint Research Centre, multiple EU agencies, and the European standardisation body CEN, with different elements being developed in parallel.

This presentation will provide an overview of the activities related to the implementation of the PPWR and their status. It will point out how and where stakeholders in the adhesive industry can get involved to ensure that the crucial role of adhesives in packaging is reflected adequately and to contribute to a circular economy for packaging.



17:00 – 17:30

Rethinking Adhesive Packaging: How Clip-Based Flexible Packs Cut Waste by Design

Michael Hoffmann

Head of Business Unit Technicals, Poly-Clip System GmbH & Co. KG

Rigid plastic cartridges still dominate adhesive and sealant packaging, despite their structural inefficiency: high material consumption, bulky waste after use, incomplete product evacuation, and limited recyclability due to contamination. Under increasing regulatory pressure for packaging minimization and rising sustainability targets across construction and industrial markets, this legacy format is reaching its limits. This presentation examines flexible tubular packaging sealed with clip closures as a technically robust alternative for adhesives and sealants. From an engineering perspective, it explains how flexible films combined with clip closure systems enable a step change in packaging performance: drastically reduced packaging material, over 90% lower waste volume after use, air-free filling for improved shelf life, and near-complete product utilization. Using industrial use cases from construction and chemical sealants, cartridge-based and clip-based packaging are compared in terms of material efficiency, logistics, on-site handling, and compatibility with existing filling and dispensing processes. Quantitative indicators on waste reduction, transport efficiency and operational impact are discussed, with assumptions clearly indicated where applicable. The presentation concludes by linking clip-based flexible packaging to the WAC2026 theme 'Reinventing the Future', demonstrating how re-engineering packaging design can become a powerful lever for sustainability, cost efficiency and regulatory readiness in the adhesives and sealants industry.

Co-author(s):
Simon Hutzfeld



17:30 – 18:00

Engineered EAA Emulsion for High-Performance, Sustainable Packaging

Kate Jamieson

R&D Manager, Solstice Advanced Materials

Solstice Advanced Materials presents its latest development in packaging innovation: a water-based coating solution engineered to enable packaging to be more sustainable without compromising functionality. Leveraging an ethylene acrylic acid (EAA) polymer emulsion, this technology is designed to help meet the stringent performance requirements of modern packaging applications, delivering excellent adhesion, water resistance and heat-seal ability.

In contrast to conventional polyethylene (PE) barrier systems, this water-based emulsion allows packaging materials to be both compostable and repulpable, directly supporting circular economy objectives and significantly reducing end-of-life environmental impact.

The outcome is a coating solution that combines performance with enhanced sustainability and supports the packaging industry in meeting evolving regulatory requirements while accelerating the transition toward more responsible packaging solutions.

Thursday, 17 September 2026

Breakout X

Sustainable PU Systems: From Raw Materials to Reactivity

📍 Room Whittle - F3



16:00 – 18:00

Moderator

Dr Joss Pepe Strache, European Technical Service Specialist Adhesives & Sealants, IMCD Deutschland GmbH



16:00 – 16:30

Innovative Raw Material Solutions for PUR Hot Melt Adhesives

Eric Dou

General Manager, Jianqin International Trading (Shanghai) Co., Ltd.

This presentation explores innovative raw material solutions for polyurethane reactive (PUR) hot melt adhesives, focusing on the integration of solid acrylic resins, copolyesters, monomer resins, and EVM. As performance requirements in woodworking, automotive, and advanced manufacturing continue to rise, formulators are seeking improved adhesion, heat resistance, flexibility, and processing stability.

We will discuss how solid acrylic resins enhance cohesive strength and thermal performance, how copolyesters contribute to balanced flexibility and durability, and how monomer resins optimize tack and compatibility. In addition, the application of EVM in PUR systems will be analyzed in terms of impact resistance and low-temperature performance. Through formulation strategies and practical case insights, this session provides actionable solutions to achieve higher performance and broader application potential in next-generation PUR hot melt systems.



16:30 – 17:00

Polyurethane Based Adhesives – No Isocyanate but Carbon Dioxide as Feedstock

Prof. Andreas Hartwig

Deputy Director, Chief Scientist, Fraunhofer IFAM

The use of isocyanates becomes continuously restricted. In addition the use of alternative feedstock is required preferably compounds which are available without restriction. Carbon dioxide is such a compound. Due to its chemical inertness it is difficult to be integrated into adhesive polymers. Alternatively it could be reduced to compounds like methanol, but this requires a high energy consumption. Fortunately, we developed a catalytic system which allows addition of carbon dioxide onto epoxides at ambient pressure and moderate temperatures. This reaction leads to cyclic carbonates and can be carried out in common stirring reactors instead of high pressure autoclaves usually required for reactions with carbon dioxide. Cyclic carbonates can be cured with amines forming hydroxypolyurethanes. The reaction rate can be adjusted by catalysts and are similar to the common addition of isocyanates and alcohols. Unfortunately, these polyurethanes have a higher affinity to moisture compared to common ones. This can be overcome by formulation, e.g. hydrophobic additives and coreactants with higher hydrocarbon content. It is possible to use biobased raw materials for these reactions. E.g. a model adhesive could be designed in which all carbon is biobased or is from carbon dioxide. With this adhesive a lap-shear-strength of 20 MPa could be obtained on steel and it bonds numerous other materials well.



17:00 – 17:30

Dual-Function Amine-Blocked TDI Dimer Dispersion for Sustainable PU Adhesives

Sammy Schröter

Vice President, Isochem Kautschuk Group

Two-component (2K) polyurethane adhesive systems are well established for their high mechanical performance but are associated with formulation complexity, strict mixing ratios, limited pot life, and increased handling and safety requirements. Conventional one-component (1K) polyurethane dispersions were developed to simplify processing; however, they have historically failed to achieve comparable performance due to a fundamental limitation: the inability to combine long-term storage stability with effective chemical crosslinking in aqueous systems. As a result, classical 1K dispersions often rely primarily on physical film formation, leading to limited thermal and chemical resistance.

This presentation compares classical 2K PU systems, conventional 1K PU dispersions, and an advanced water-dispersed TDI dimer technology, demonstrating how intelligent isocyanate design combined with a novel dual-function amine can overcome these trade-offs. The system is based on a highly purified TDI dimer with a residual monomer content below 0.1% and employs a unique amine-based blocking strategy.

At ambient conditions, the tailored amine acts as a blocking agent, protecting the isocyanate functionality from premature reaction with water and enabling storage stability of up to six months. Upon thermal activation at approximately 85–90 °C, the same amine transitions into a catalytic role, promoting crosslinking within the polyurethane matrix. This dual-function behavior enables a clear separation between storage stability and curing reactivity.

Compared to classical 1K systems, the dispersion enables true chemical network formation with improved thermal and mechanical performance. In contrast to 2K PU systems, it allows simplified single-component processing without pot-life limitations while retaining the performance advantages of aromatic isocyanate chemistry. The water-based system supports low-VOC formulations, reduced isocyanate exposure, and improved regulatory compliance.



17:30 – 18:00

Next-Generation Reactive Systems for Isocyanate Restricted Applications

Erwin Honcoop

Research & Technology Leader, Cargill Bioindustrial

Regulatory pressure on diisocyanates and the need for energy efficient manufacturing are accelerating the search for non isocyanate alternatives capable of matching the performance of conventional two component (2K) polyurethanes (PUs). PriNext™ acetoacetate functional polymer was developed to address these challenges through a structurally engineered, isocyanate free approach to 2K network formation in coatings, adhesives and elastomers.

PriNext technology is based on polyols functionalized with terminal acetoacetate groups, enabling controlled polyaddition reactions with multifunctional acrylates or amines. This end group positioning recreates the network topology of classic PU systems while decoupling curing from isocyanate chemistry. As a result, PriNext formulations cure rapidly at ambient temperature without moisture sensitivity or CO evolution, eliminating foaming defects and reducing both processing complexity and energy demand. Compatibility with existing 2K mixing equipment supports industrial implementation.

Systematic variation of acetoacetate functionality, molecular weight, backbone composition, and catalyst concentration enables precise tuning of curing kinetics and mechanical properties. Comparative studies show that PriNext networks achieve hardness, tensile strength, elongation, and adhesion performance comparable to or exceeding reference PU systems. High lap shear strength is obtained on metals, thermoplastics, and lignocellulosic substrates, with excellent retention of adhesion following accelerated hydrothermal aging, indicating robust and chemically stable crosslink networks.

Beyond regulatory compliance, PriNext provides a versatile molecular platform that expands formulation design space while preserving PU like performance and processability. The combination of end group-controlled reactivity, ambient curing, and broad property tunability positions acetoacetate based PriNext systems as a viable next generation alternative for 2K materials.

Thursday, 17 September 2026

Breakout XI

Research Advances in Adhesive Science & Processing

📍 Room Churchill - GF



16:00 – 18:00

Moderator

Christopher Dobbins, Senior Expert Technical Services Material Science
CASE, Omya International AG



16:00 – 16:30

Adhesive Bonding as an Enabler for Sustainable Materials and Manufacturing

Dr Doerthe Jakobi

Research Fellow, Guenter-Koehler-Institut für Fuegetechnik und
Werkstoffpruefung GmbH (ifw Jena)

Adhesive bonding technology plays a central role in advancing sustainable design and manufacturing. Research in this area focuses on developing bonding solutions that reduce environmental impact, optimize material use, and maintain high mechanical performance and long-term durability. The aim is to lower CO₂ emissions, energy demand, and raw material consumption while ensuring reliable structural performance. Sustainability in adhesive technology is therefore a key contributor to greener and more efficient industrial applications.

In this work, several bio-based solutions in adhesive bonding were analyzed and discussed. This includes the use of recycled and bio-based substrates, their compatibility with other materials, the application of bio-based adhesives, and necessary surface treatment steps. The investigations show that bio-based fillers can modify the microstructure of the substrates. Increasing filler content can raise surface roughness, enhancing mechanical interlocking with the adhesive, while also influencing surface energy and wettability. Recycled polymer content leads to measurable but generally minor changes in material properties. Overall, the investigated recycled polymers exhibit properties comparable to virgin materials, making them suitable for structural adhesive bonding.

The study further evaluates partially and fully bio-based adhesive systems. Partially bio-based adhesives demonstrate mechanical and thermal properties comparable to conventional fossil-based systems, whereas fully bio-based formulations may exhibit increased moisture sensitivity.

Overall, the results demonstrate that adhesive bonding enables the integration of bio-based and recycled polymers into lightweight structures. By combining appropriate material selection, targeted surface modification, and optimized bonding processes, sustainable materials can be successfully applied in industrial manufacturing.



16:30 – 17:00

Vitrimer Based Debondable Adhesives: Demonstration and Computational Analysis

Dr Christof Nagel

Senior Scientist, Fraunhofer IFAM

With the latest advances in materials science, self-healing vitrimer adhesives with the ability to reform their polymer chain bonds with the application of external heating have emerged. These adhesives allow the manufacture of debond-on-demand and rebond-on-demand joints. This study presents a novel simulation approach that combines phenomenological modeling with finite element models of adhesive joints. The goal is to model the weakening of polymer chain bonds within the adhesive due to heating and estimate the required heating time to reach optimal debonding of the joint. The proposed phenomenological model is fitted to experimental stress-relaxation curves for the adhesive at different temperatures and implemented into finite element models with a user subroutine. Round-butt joints with aluminium adherends were manufactured and debonded at different heating temperatures to validate the proposed model. The finite element simulation results were compared to the experimental stress-displacement curves, showing that the proposed model was able to accurately predict the stiffness reduction of the adhesive for the temperature range that led to optimal debonding with purely cohesive failure in the experiments.

Co-authors:

Antonios Tempelis, Vinicius Carrillo Beber, Uwe Specht, Florian Sayer, Leon Mishnaevsky Jr



17:00 – 17:30

Surface and Chemical Changes Affecting Tack in PSA/Paper Tapes with Different Adhesive Thickness

Dr Jose Miguel Martín-Martínez

Scientific Consultant, Noxun

Pressure sensitive adhesives (PSAs) are generally supported on different carriers (paper, polyethylene, polypropylene) for being used in packaging and labelling. Tack is one of the key properties of PSAs and its value is influenced by different parameters, including adhesive thickness, although this has been scarcely addressed. The most few studies carried out to date have been made in acrylic PSAs supported on polyolefin backings and they have shown that tack increases by increasing PSA thickness, though some literature evidenced the opposite trend. In this study, the influence of tack (measured by the probe tack method) with hot melt PSA adhesives supported on paper with different adhesive thicknesses (50 and 200 μm) was studied and the variation of tack at 20 °C with the adhesive thickness was related to changes in wettability (water and di-iodomethane contact angles) and chemistry (XPS and Raman spectroscopy) on PSA surfaces.

Tack at 20 °C of PSA/paper tapes decreases by increasing adhesive thickness. For the same adhesive thickness (200 μm), the tack at 20 °C of PSA/paper tape decreases significantly with respect to the one of bulk PSA, and the surface energy decreases significantly. On the other hand, the shape of the tack curves at 20 °C varies with the adhesive thickness, and the strain value at 0 kPa increases by increasing PSA thickness. These variations can be ascribed to the balance between non-linear variation of the strain rate and the different orientation of the polymer chains located at the probe-PSA and PSA-paper interfaces. In fact, Raman spectra of PSA/paper tapes with different thicknesses show different intensities of C=O (1242 cm^{-1}) and C-O (1743 cm^{-1}) stretching bands, and higher amount of C-H with respect to C=O species. On the other hand, the polar component of the surface energy of PSA/paper tapes decreases by increasing the adhesive thickness, in agreement with the enrichment of oxygen species on PSA surfaces.

Co-authors:

A.D. Galindo-Cegarra, L. Gallego-Reina, E. Jardim, J. Juárez-Molina – All authors belong to Noxun Adhesives Company.



17:30 – 18:00

Extrusion of Biopolymers: A Platform Technology for Bio-based Adhesives

Dr Bernhard Seidl

Team Lead, Agrana Research and Innovation Center GmbH

Extrusion is a well established and scalable processing technology that offers significant opportunities for the modification and functionalization of biopolymers such as starch and proteins. By combining heat, shear, and pressure in a continuous process, extrusion enables fundamental transformations including starch gelatinization, protein denaturation, and the development of thermoplastic material behavior. These effects can be tailored through formulation and processing parameters, making extrusion a flexible tool for designing bio based materials with targeted properties.

Beyond physical processing, reactive extrusion extends the functionality of starches and proteins by enabling chemical reactions directly within the extruder. Reactions such as crosslinking, grafting, or esterification can be achieved under largely solvent free conditions, allowing molecular structure and functionality to be adjusted in a single, efficient processing step. This approach reduces processing complexity and energy demand while facilitating the development of value added biopolymer systems.

In adhesive applications, extruded and reactively modified starch and protein based materials present promising alternatives to conventional fossil based binders. Their rheological behavior, bonding performance, and resistance properties can be tuned to meet the requirements of paper, packaging, and wood based products. This contribution highlights extrusion and reactive extrusion as key enabling technologies for advancing sustainable, bio based adhesive solutions and for supporting the transition toward renewable materials in industrial applications.

Co-author:
Ralf Gericke

Thursday, 17 September 2026

Breakout XII

Defossilisation & Circularity in Adhesives

📍 Room Mountbatten - F6



16:00 – 18:00

Moderator

Fabio Chiozza, Product Manager, Vinavil SpA



16:00 – 16:30

Sustainability of Polymer Technology for Modern Tape & Label Applications

Dr Kristin Schoene

Market Development Manager – Tapes & Labels, Synthomer

Today, sustainability isn't just a trend – it has become an industry imperative driven by regulatory pressure, brand commitments and a global need to conserve resources.

In this presentation, we explore how the smart selection of raw materials enables tape and label manufacturers to significantly enhance the sustainability performance of their end products without compromising functionality or process efficiency.

Synthomer's latest developments in water-based polymers demonstrate how science-led innovation can support this transformation. Drawing on comprehensive certified testing data and real-world case studies, we examine the contribution of every polymeric element in tapes and labels – from adhesives to release coatings – to key sustainability metrics like reduced reliance on finite fossil feed stocks, compliance with restrictions on hazardous raw materials (VOCs, FOGs, PFAS, APEOs), and meaningful reductions in product carbon footprint (PCF).

Here, the SUNCRYL BIO family introduces a new generation of water-based, silicone-free release coatings, combining bio-based raw materials with PFAS- and APEO-free chemistry. These polymers demonstrate how environmental responsibility and high performance can be integrated within a single technology platform.

Furthermore, we will focus on recyclability evaluations for filmic and fibre-based labels on overall packaging, highlighting the different requirements for every raw material stream.

By enabling clean, residual-free removal, the PLEXTOL RECYCLEAR range supports the production of high-quality recycled PET and HDPE, helping to meet extended producer responsibility (EPR) targets and reduce contamination risks.



16:30 – 17:00

From Fossil to Bio-based: Scaling Renewable Chemistry in Adhesive Production

Adam Lindholm

Head of Sales & Business Development, Sekab

The adhesive industry is under increasing pressure to combine performance, supply resilience, and measurable climate impact reduction. This presentation will present a real industrial case on how renewable raw materials can be integrated into existing adhesive value chains at scale.

Using the strategic collaboration between Henkel and Sekab as a case study, the presentation will explore the transition from conventional fossil-based ethyl acetate to a fossil-free, bio-based drop-in alternative. The case demonstrates how renewable chemistry can be implemented in high-performance industrial adhesive applications without compromising technical requirements or existing manufacturing processes. ([henkel.com][1])

Special focus will be given to value chain collaboration between raw material suppliers and downstream adhesive manufacturers, highlighting how such partnerships can accelerate innovation, improve supply chain resilience, and support customers' climate ambitions. ([henkel.com][2])

The presentation will further address the commercial and strategic implications of replacing fossil-based solvents with renewable alternatives, including regulatory drivers, customer demand, Scope 3 reduction opportunities, and the business case for future-ready sourcing strategies.

This session aims to provide practical insights into how the global adhesive industry can scale bio-based solutions from innovation to industrial implementation.

[1]: https://www.henkel.com/press-and-media/press-releases-and-kits/2026-02-05-henkel-and-sekab-are-shaping-the-future-with-bio-based-raw-materials-2121462?utm_source=chatgpt.com 'Henkel and Sekab are shaping the future with bio-based ...'

[2]: <https://www.henkel.com/press-and-media/press-releases-and-kits/2026-02-05-henkel-and-sekab-are-shaping-the-future-with-bio-based-raw-materials-2121462> 'Henkel and Sekab are shaping the future with bio-based raw materials'



17:00 – 17:30

Defossilizing the Chemical Industry: Are Alternative Feedstocks Ready to Scale?

Dr Rafael Pellicciotta

Business Development Manager, Braskem

The chemical industry is under growing pressure to reduce dependence on fossil resources while maintaining performance, safety, and supply reliability. Unlike energy and fuels, organic chemicals cannot be fully decarbonized, making defossilization — the substitution of fossil carbon with alternative sources — a critical pathway for the sector.

This presentation discusses the role of alternative feedstocks in supporting the chemical industry's transition toward more sustainable business models, with an emphasis on scalability, availability, and sustainability performance. Using Brazil as a case study, it highlights how long-standing experience with biomass, combined with favorable agricultural conditions and targeted public policies, has created viable pathways for renewable raw materials beyond traditional applications.

Short- and medium-term solutions such as sugarcane and second crop corn are examined alongside emerging options like macaúba palm, evaluating their potential through key industrial decision

criteria: land use efficiency, food competition, circularity, greenhouse gas emissions, and social impact. The role of co-products and integration with other markets, particularly sustainable aviation fuels, is explored as a lever to improve economics and accelerate feedstock development.

The presentation concludes by showing how the Adhesives and Sealants industry can leverage these developments through segregated or mass balance approaches, enabling portfolio defossilization, reduction of product carbon footprints, and alignment with customer and regulatory sustainability expectations.

Co-author:

Novakoski, Rochele Teribele



17:30 – 18:00

MOSH/MOAH in Food Contact Adhesives: A Technical Perspective

Emma Öberg

Senior Technical Advisor, Nynas AB

Regulatory interest in mineral oil saturated hydrocarbons and mineral oil aromatic hydrocarbons (MOSH and MOAH) originated from food contamination cases reported in the early 2010s, initially linked to printed packaging materials, and has since expanded to the wider food contact material value chain. MOSH and MOAH are groups of hydrocarbons which overlap and co-elute in liquid chromatography, producing a continuous 'hump' rather than distinct peaks. MOSH and MOAH are unresolved fractions of saturated and aromatic hydrocarbons defined by chromatographic behaviour rather than molecular identity, where the MOSH fraction is defined as linear and branched alkanes and cycloalkanes and the MOAH fraction is defined as mono-, di- and polycyclic aromatic hydrocarbons.

The latest draft of the EU Commission services document proposes the introduction of MOAH maximum limits into Annex I of Regulation (EU) No 2023/915; the draft has not yet been adopted, but maximum MOAH levels seem plausible to enter into force.

With the ongoing revision of regulation (EU) No 2023/915 in mind, NYNAS has conducted a study of adhesive migrations of model adhesives for food contact applications. The objective was to evaluate MOSH and MOAH results from a model adhesive and relate them to the technical properties of the adhesive itself. Results from different analytical techniques are discussed and their differentiation between mono and di-aromatic fractions and polycyclic aromatic fraction. The results show that the analytical method of choice has an influence on the MOAH classification.

Polycyclic aromatic MOAH (3+ rings) are polycyclic aromatic hydrocarbons (PAHs). In the industry analytical methods are already established to quantify and qualify PAH levels in food stuffs (EU No 2023/915 Annex II table 5) and in rubber mixtures for example. In this study the MOSH and MOAH results are therefore evaluated alongside polycyclic aromatic hydrocarbon (PAH) testing.

Co-authors:

Karl Henriksen, Pär Nyman



Generate bonds that last

Discover how we are bringing together people, ideas and technologies to innovate the next generation of adhesives and sealants.

Visit **tabletop 83** or scan the QR code to explore how Dow's innovations help deliver performance, protection, shelf appeal, and sustainability without compromising performance.

Be part of Generation Transformation



Presentation Abstracts

Friday, 18 September 2026

Plenary Session IV

'Uncertainty as Opportunity'

📍 Room Whittle & Fleming - F3



09:00 – 09:05

Introduction by Anne De Baetzelier



09:00 - 09:35

Executive Address: The Power of People in an Unpredictable World

Celeste Mastin

President and Chief Executive Officer, H.B. Fuller

The address will explore how the adhesives and sealants industry has continually reinvented itself amid changing technologies, markets, and customer needs. Drawing on examples from across the industry and H.B. Fuller's nearly 140-year history of reinvention, Celeste will reflect on advances that have transformed the adhesives and sealants industry over the past three decades and why the people behind that transformation will determine what comes next.

At the heart of the address is a simple idea: while adhesives help hold the world together, people are what move it forward. Celeste will share why curiosity, adaptability, and a willingness to embrace uncertainty as a catalyst for change remain the industry's greatest competitive advantage in an increasingly unpredictable world.



09:35 – 10:25

Keynote Presentation: The Never Normal: How to Leverage the Uncertainty Principle

Peter Hinssen

Uncertainty isn't a bug – it's where the biggest possibilities live. Peter reframes volatility as a strategic asset and offers a manual for building organisations that move faster and think bigger: redesigning strategy and governance for speed, cultivating 'active hope', tuning risk appetite, and modernising culture, innovation systems, and the nature of work. Through actionable levers, leaders learn how to transform shocks -technological, geopolitical, biological, or ecological- into momentum and build companies that become vessels of progress.

Friday, 18 September 2026

Breakout XIII

Data-Driven Innovation in Adhesives

📍 Room Fleming - F3



11:00 – 13:00

Moderator

Carol Merrin



11:00 – 11:30

Stick With Us Here: How To Benefit Chemists Using Data and Digitalisation

Tea Pavlek

Global Lead for Nuage, Sika



Will Tashman

Co-Founder and CCO, Uncountable

The integration of Artificial Intelligence into product development and quality management is no longer a future ambition, it is an operational imperative. Yet for many organizations, the promise of AI remains unrealized, not due to a lack of technology, but due to fragmented, unstructured, and disconnected data. This presentation addresses that gap directly, offering a practical framework for aligning R&D, Quality, and Product Development under a unified, AI-ready data infrastructure.

Historically, these functions have operated in silos: R&D captures formulation data in lab notebooks or ELNs, Quality manages test results in LIMS or spreadsheets, and manufacturing tracks process parameters independently. Each system was designed to solve a specific problem, and often does so effectively within its own domain. The challenge emerges when organizations attempt to derive cross-functional insight or deploy AI across this fragmented landscape. Without a consistent, connected data model, AI models are starved of the signal they need; quality issues cannot be traced back to development decisions; and institutional knowledge remains locked in legacy systems.

Drawing on experience with over 150 enterprise customers across specialty chemicals, pharmaceuticals, food and beverage, and coatings, this session identifies the three most common barriers to AI deployment, insufficient data volume, poor use-case fit, and eroded user trust from premature implementation, and presents actionable strategies to overcome each. Central to this approach is a shift in sequencing: rather than bolting a data model onto existing systems after the fact, organizations are encouraged to define their data architecture first, structuring data at the point of capture to ensure it is granular, machine-readable, and connected across functions.

The session also addresses the human dimension of digital transformation. Technology selection, while important, is rarely the deciding factor.



11:30 - 12:00

Predictive Digital Twins for Optimized Quality Control in Polymers & Adhesive Manufacturing

Thouheed Abdul Gaffoor

CEO & Co-Founder, Basetwo AI

High Performance Polymers and adhesives are a critical segment of the specialty chemicals industry, serving applications in packaging, hygiene, automotive, electronics, and construction. Polymerization processes are highly sensitive to variations in raw materials, reaction kinetics, mixing, heat transfer, and operating conditions, making consistent product quality difficult to achieve using conventional monitoring approaches alone. Recent advances in artificial intelligence (AI) are enabling a new generation of predictive quality control systems that continuously estimate critical quality attributes and optimize process performance in real time. By combining first-principles process knowledge with machine learning, hybrid AI models can predict key properties such as molecular weight distribution, conversion, viscosity, melt flow index, residual monomer concentration, particle size, and polymer architecture before laboratory measurements become available. These models leverage real-time process data-including temperatures, pressures, flow rates, reactor conditions, and online sensor measurements-to provide early warning of quality deviations, recommend corrective actions, and support closed-loop process optimization. The result is improved product consistency, reduced off-spec production, shorter grade transitions, lower energy consumption, and accelerated scale-up and technology transfer. This presentation explores the application of AI-driven quality control across batch and continuous polymerization processes, highlighting how hybrid digital twins and soft sensors are transforming polymer manufacturing from reactive quality assurance to proactive, predictive process control.

Co-author:

Emma McGlade



12:00 - 12:30

Driving Innovation with Purpose at Sika

Dr Debora Eiler

Project Leader, Sika Technology AG

Innovation in the adhesive and sealant industry is not solely driven by technical expertise, nor just by incremental improvements in formulation design or performance metrics, but increasingly by the way materials are explored, evaluated, and translated into products. Effective innovation requires an environment that enables early-stage experimentation, protected exploratory time, and the scientific courage to question established development paradigms.

Beyond culture, structured innovation requires enabling tools that translate creativity into actionable experimentation. We highlight the role of digital innovation frameworks that support rapid exploration of 'crazy ideas' and early stage feasibility testing before formal development pathways are entered. Special emphasis is placed on AI supported databases capable of handling large formulation and measurement datasets. Such platforms allow systematic identification of correlations, accelerated screening of material combinations, easier visualization of complex datasets, and data-driven guidance for material selection and property prediction, thereby significantly lowering experimental barriers in the exploration phase.

Selected development examples will be presented to illustrate how innovation culture, structured processes, and digital tools converge in practice. These cases demonstrate how Sika leverages protected exploration spaces, data driven decision support, and cross functional collaboration to elevate promising concepts beyond early feasibility toward robust, scalable solutions. By systematically combining courageous experimentation with AI supported analysis and disciplined development frameworks, innovation is translated into next generation adhesive technologies capable of addressing future performance, sustainability, and complexity challenges.



12:30 - 13:00

Accelerating Adhesives Application Engineering with AI: Faster Formulation Starts, Better Customer Response, and Scalable Expert Knowledge

Hannah Melia

Head of Marketing, Citrine Informatics

Adhesives application engineering teams are being asked to move faster while managing more complex performance targets, raw material changes, and knowledge loss from retiring experts. The question is whether AI can deliver measurable value in real formulation workflows with messy data.

This talk will show how AI can help teams generate stronger starting formulations faster, identify which ingredients matter most, and respond to customer requirements with greater consistency. Using case studies from relevant adhesives businesses, the session will highlight how AI-supported workflows have reduced formulation cycle times, focused experimental effort, and helped teams scale expert knowledge across the organization.

Attendees will leave with a practical view of where AI fits in adhesives application engineering, what it takes to get started, and how to choose early projects that build momentum.

Friday, 18 September 2026

Breakout XIV

SMP Chemistry: Advancing Adhesive Performance

📍 Room Whittle - F3



11:00 – 13:00

Moderator

Dr Martin Stimpson, New Business Consultant, BASA



11:00 – 11:30

Development of High-strength Silyl-modified Polymer Adhesives

Dr Claudio Toncelli

R&D Manager, L&L Products

Silyl-modified polymers combine the advantages of two different worlds. Indeed, polyether and polyacrylates, when functionalized with flexible (based on the low rotational energy of the Si-O bond) telechelic silyl moieties, lead to humidity-induced cross-linking as in most current TK formulations. Such formulation can yield a wide span of adhesive ranging from purely highly elastic sealants up to high strength adhesive, reaching and, as in our case, outperforming standard polyurethane sealants. Additionally, clear advantages in terms of toxicity profile can be observed compared to the polyurethane homologues, which makes it particularly appealing in a context where isocyanate exposure levels regulations in working environment have been tightened. At L&L products, we have extended our SMP portfolio to achieve the limits of what today is attainable with SMP chemistry, ranging from 1.5 MPa tensile strength (A-J215) up to 7 MPa tensile strength (A-J930). Additionally, to overcome the relatively slow strength build-up of common SMPs, we are proposing our 2K 10:1 formulations homologues (A-J217 and A-J931), which allow strength build up in much shorter time for faster product manipulation and handling. Especially for the high strength formulation, the subtle interplay between charges and silyl modified polymers, push the limit of SMPs adhesive sealants in multiple fields, such as transportation, construction and all industries where standard polyurethane sealants are involved. Additionally, the presence of highly thermally conductive charges is particularly interesting to avoid thermal runaway for its usage as gap filler in battery applications.



11:30 – 12:00

New Possibilities Through Silane Modified Polymer Technology

Dr Daichi Yokota

Assistant Manager, Kaneka Corporation, Performance Polymers (MS) Solutions Vehicle

Since the launch of MS POLYMER™ by Kaneka in 1978, silyl-modified polymers have established themselves as one of the key technologies in the sealant and adhesive market. In response to the growing demand for environmentally friendly materials, MS POLYMER™ has attracted increasing

attention as a non-labeled, low-VOC or solvent-free, and isocyanate-free raw material suitable for a wide range of applications. The capability of MS POLYMER™ technology to meet future challenges arising from continuously evolving regulatory and performance requirements will be presented. New possibilities enabled by innovative polymer design are demonstrated. Furthermore, polymers with various backbone structures and functional groups are introduced, along with their corresponding application examples.



12:00 – 12:30

Novel Trimethoxy Silyl Polyether (STPE) for High Performing Adhesive & Sealant Applications

Loriane Parisot

Global Technical Service & Development Manager, Dow Performance Silicones

Polydimethylsiloxane (PDMS)-based sealants are widely recognized for their outstanding durability, flexibility, and resistance to environmental stress, making them a trusted choice for demanding applications. Silicones excel in long-term performance, particularly in extreme environments, due to their exceptional weathering resistance and elasticity. However, evolving requirements—such as paintability—have driven increased interest in hybrid technologies that complement silicone's strengths.

Silane-modified polymer (SMP) sealants address these needs while preserving many benefits associated with the silicone chemistry set. SMP technology leverages the reactive advantages of silane chemistry to deliver versatile adhesion and paintability, enabling it to work alongside silicone sealants rather than replace them. Dow's patented SMP polymers represent a significant advancement in this technology space, offering fast cure speed and low tack development compared to conventional SMP systems.

This presentation will deliver a comprehensive overview of Dow SMP polymers, detailing their underlying chemistry and performance characteristics. The discussion will emphasize innovative polymer developments that advance cure speed and enable a broader spectrum of physical property optimization. Further tunability can be achieved by TMS converters thereby providing specific functionalities that enable customized properties.

With expertise in both silicone and SMP technologies, Dow collaborates with industry partners to enable informed product selection and complementary solutions, expanding our portfolio with novel materials that unlock new possibilities for evolving application needs.



12:30 – 13:00

Silane Modified Acrylate-polyether Hybrid Polymer for Adhesive and Sealants

Dr Qiang Luo

Technical & Business Director, Risun Polymer

Silyl-modified polyethers (SMP) are polymers terminating with a silyl group (Si-O-R). They can be cured by contact with moisture in atmosphere and represent a new generation of raw material for 1-component adhesives and sealants. They are solvent-free and isocyanate-free. Adhesives and sealants made of SMPs have excellent environmental protection performance, great adhesion to various substrates, good mechanical properties, solvent and weather resistance. Its final products are paintable after curing.

Risun polymer, the technology leader of SMPs, offers products and services for all key global markets. Risun's product portfolio includes TUPS polymers based on hydrosilylation chemistry and STPE polymers based on isocyanate chemistry. Risun also produces isocyanate functionalized silanes. Risun polymers is the largest silane modified polymer producer in China with a capacity of 100,000 metric tons per year. Risun polymer now serves many industries, including electronics, industrial sealing, DIY, automotive, building and construction, and more.

SMPs have very good adhesive to polar substrates, such as glass, wood, cements. However, when comes to plastic substrates, such as PMMA, ABS, PP, it is a big challenge. Another challenge for SMPs is that they are vulnerable to UV and oxygen degradation. Risun polymer successfully addressed both issues with their unique acrylate-polyether hybrid technology. The new product showed much better adhesion to different plastic substrates with enhanced UV and oxygen resistance.

Friday, 18 September 2026

Breakout XV

Next-Generation Adhesives & Sealants Chemistry

📍 Room Churchill - GF



11:00 – 13:00

Moderator

Mario Sommer, Head of Technical Assistance and Project Consulting, Sopro Bauchemie GmbH



11:00 – 11:30

What a Drop Can Tell

Adrien Schmidt

Head of Business Development, Innotech Marketing und Konfektion Rot GmbH

Surface quality is a decisive factor in the performance, durability, and reproducibility of bonding, coating, and painting processes. Yet in many manufacturing environments, surface readiness is still judged using indirect or subjective methods that provide limited process insight. This presentation shows how contact-angle measurement can help reinvent this critical interface by turning surface evaluation into an objective, non-destructive, and data-driven quality tool.

By quantifying the interaction of a liquid droplet with a substrate, contact-angle measurement provides actionable information on surface energy, cleanliness, and the likelihood of reliable adhesion or coating performance. In comparison with conventional screening methods such as water-break tests or dyne pens, it delivers reproducible values that make contamination, insufficient cleaning, incomplete activation, or surface drift visible before they lead to failure.

The presentation focuses on the practical value of integrating contact-angle measurement along the production chain: from incoming parts inspection and process setup to routine quality assurance and troubleshooting. Used early and repeatedly, the method supports process stability, reduces operator subjectivity, and enables better control of critical pre-treatment steps.

As a non-destructive approach, contact-angle measurement is particularly attractive for modern production environments that demand higher robustness, lower scrap rates, and faster root-cause analysis across a wide range of materials and geometries. The result is improved adhesion reliability, fewer coating defects, less rework, and a more resilient manufacturing process. In that sense, surface metrology becomes more than a lab method: it becomes an enabler of smarter, more efficient, and future-ready production.

Co-author:

Buruk Sen



11:30 – 12:00

High-End Waterborne Acrylics – Breaking Performance Boundaries, Sustainably

Marco Schmidt

Senior Technical Marketing Manager, BASF SE

Waterborne acrylic sealants have traditionally been regarded as low tier technologies with limited performance profiles. Recent advances in polymer design and formulation strategy fundamentally challenge this perception. This contribution presents a newly developed high performance acrylic dispersion that enables mechanical and functional properties previously considered unattainable for waterborne systems.

The new binder technology provides a significant leap in elastic performance, achieving Class 25LM according to EN 15651 1 after only four weeks of standard climate storage ('Conditioning A'), representing the highest possible classification and a new benchmark for waterborne sealants. Comprehensive benchmark studies against commercial silicone and hybrid polymer products show that the new acrylic formulation not only competes with but in several key metrics even surpasses conventional technologies. Particularly noteworthy is its lower volumetric shrinkage, even compared with many silicone based sealants on the market — an exceptional result given the fundamentally different (waterborne) chemistry.

Beyond performance, environmental aspects are increasingly critical in material selection. The new waterborne system achieves a substantially reduced Product Carbon Footprint (PCF), with values as much as four times lower than silicone sealants, positioning it as a compelling option for applications seeking high technical performance combined with significantly lower environmental impact.

The presentation will highlight (1) breakthrough polymer and formulation innovations, (2) mechanical and functional performance data including benchmarks versus silicones and hybrid polymers, and (3) sustainability assessments. These results illustrate how modern waterborne acrylics can redefine established paradigms in the sealants market — delivering required performance, enabling areas of use once considered impossible, and providing measurable sustainability benefits.



12:00 – 12:30

Low-Temperature Organic Thixotropes Enhancing Sustainability for Future Sealants

David Rodrigues

Manager Global Adhesives Sealants Construction R&D, Elementis Ltd

Manufacturing solvent free sealants increasingly requires processing routes that are robust, flexible, and tolerant to temperature sensitive formulation components. Conventional organic thixotropes based on castor and diamide wax chemistries are well established, but their use commonly relies on

high activation temperatures, extended mixing, and subsequent cooling steps. New sealants market trend is looking for innovative and low-environmental impact chemistries, emission reduction and, in whole, looking for improving sustainable profile of final formulation in all directions: easy production, no waste, low environmental impact and longer durability at final application. Here is where the most advanced, third generation organic thixotropes, is taking the stage. In fact, low activation organic thixotrope technology enable new sealants formulations and new processing design approaches, by enlarging the processing window and improving manufacturing robustness. The latest series of THIXATROL are designed on improved amide wax technology and had proven to build structure effectively at low activation temperature and without the need for external heating, thereby reducing the overall energy input required during processing and leading to larger capacity in general. Different grades can be selected depending on formulation and processing conditions. Benchmarking studies in hybrid polymer based sealant formulations show that the low temperature thixotrope provide thixotropic / pseudoplastic flow and structural recovery out-performing conventional organic thixotrope and enabling low process temperatures. Also in comparison with commonly used rheological additives based in silica, we have evidence that THIXATROL series is higher in efficiency and make production easy, cleaner and safer. Storage stability evaluations after exposure to elevated temperatures further indicate consistent retention of rheological properties, supporting stable application behavior over time.



12:30 – 13:00

3-Methyl-1,5-Pentanediol for Low-Viscosity Polyols and Polyurethane Adhesives

Yusuke Murata

Section Manager, Kuraray

We demonstrate that 3-methyl-1,5-pentanediol (MPD) is an effective diol component for reducing polyol viscosity, thereby enabling the formulation of two-component polyurethane adhesives that combine high adhesion and durability with practical processing viscosity.

Two-component polyurethane adhesives, particularly those used in lamination applications, are required to provide strong adhesion, heat and humidity resistance, and sufficient flexibility to accommodate deformation. However, polyol designs that improve these properties generally also increase viscosity, making it difficult to achieve both high performance and good processability. Polyester polyols (PEsPs), for example, are often selected when high adhesion and durability are required, and increasing the content of aromatic dicarboxylic acids such as terephthalic acid and isophthalic acid, or introducing trifunctional components, are common strategies for further enhancing these properties. However, such modifications also tend to increase resin viscosity. To address this issue, we focused on MPD as a diol monomer.

MPD has two key structural features. First, its five-carbon backbone provides greater chain mobility than conventional short-chain diols such as ethylene glycol and 1,4-butanediol. Second, its methyl-branched structure reduces intermolecular interactions. Together, these features promote an amorphous character and lower the viscosity of PEsPs. For example, even in PEsPs with high aromatic dicarboxylic acid content or increased trifunctionality, which would otherwise tend to exhibit high viscosity, incorporation of MPD allows the polyol structure to be designed within a practical viscosity range. These results indicate that MPD is a useful monomer for developing adhesives that achieve high adhesion and durability while maintaining practical processability.

In this presentation, we report the properties of these PEsPs and the performance of two-component.

Co-authors:

Ryosuke Ueno, Mitsumasa Kaneko, Hidetoshi Matsuno, Mayu Arai

Friday, 18 September 2026

Breakout XVI

Sustainable & High-Performance Hotmelt Solutions

📍 Room Mountbatten - F6



11:00 – 13:00

Moderator

Dr Igor Korczagin, Director, Global Adhesive & Coating Technology, PD and Innovation, UPM Adhesive Materials Co.



11:00 – 11:30

Sustainable Hot Melt Polymer Solutions

Christopher Johnson
Sales Account Manager, Clariant

Clariant's Licocene Terra metallocene polyolefin (m-PO) polymers employ ISCC PLUS-certified mass balance methodology, enabling co-processing of renewable and fossil feedstocks within conventional steam cracker infrastructure while maintaining rigorous chain-of-custody tracking through independent third-party auditing. Renewable C2/C3 monomers derived from waste lipid streams (excluding palm & animal oil derivatives) are allocated to specific product outputs via verified material flow accounting, achieving Renewable Carbon Index (RCI) values of 50-100%. This approach enables renewable carbon integration without altering polymer synthesis pathways or requiring dedicated production lines, maintaining identical molecular architecture and thermomechanical properties relative to fossil-based analogues. This paper and discussion will delve into the use case and value proposition of Licocene Terra in woodworking applications.

Co-author:
Tim Sadow



11:30 – 12:00

Sustainable Solutions for Hotmelt Adhesives

Cristina Vergani
Technical Manager Adhesives & Sealants, IMCD Group

While hot-melt adhesives are 100% solids, VOC-free, fast bonding formation, and efficient to transport, many rely on fossil-based materials to deliver the required performance. As demand grows for circular, fossil-free solutions in high-volume areas like paper packaging and wood products, developing bio-based hot-melt formulations is becoming a key focus.

This study explores the formulation of hot-melt adhesives utilising sustainable polymers, resins, waxes, oils, and plasticisers. It focuses on combining partially and fully bio-based raw materials in the formulation without compromising adhesion, processing behaviour, or thermal stability.

We implemented several formulation strategies, including the integration of bio-based resins and waxes into conventional polymer systems, achieving up to 60% bio-based content. One main aspect was to evaluate bio-based polymers, such as polybutylene succinate (PBS), for their compatibility and performance for potentially 100% bio-based systems. Key findings show strong adhesion on different substrates, as well as the demonstration of favourable storage and heat resistance properties.

These findings demonstrate the potential of bio-based components to deliver effective hot-melt adhesive systems while supporting the transition toward more sustainable solutions for packaging applications.



12:00 – 12:30

(Meth)Acrylic Resins for High Performance Reactive Hotmelts

Dr Francisco Aznarez-Peman

Technical Service Manager, Röhm GmbH

The reactive hotmelt industry is evolving rapidly as manufacturers pursue higher performance, more efficient processing and improved sustainability. Formulators face growing pressure to enhance stability, ensure compatibility of components with isocyanate systems or streamline production workflows. At the same time, the market is shifting toward more sophisticated particle engineering, innovative polymer architectures, and hybrid technologies that broaden formulation possibilities and enable adhesives with tailored performance profiles, especially in view of green strength, open time and bond strength. Within this dynamic landscape, (meth)acrylic resins are gaining importance as versatile components of reactive hotmelts helping to achieve both performance and processing requirements.

Introducing DEGALAN® AD 970: our new high-molecular-weight resin designed for maximum efficiency. Despite its high molecular weight of 140,000 g/mol, its fine 90 µm particle size ensures rapid dissolution in polypropylene glycol and seamless integration into reactive systems. The result is a more stable, consistent adhesive quality, with superior dissolution properties and viscosity profile, that outperforms conventional (meth)acrylic binders with molecular weight between 30,000 and 60,000 g/mol on the market.



12:30 – 13:00

Next generation TPU Adhesive Solutions: Advancing Toward Sustainable Innovation

Mary Aiken-Wood

Account Manager, UK and Ireland, Bjørn Thorsen

Thermoplastic polyurethane (TPU) adhesives are undergoing a significant transformation, driven by converging pressures: tightening VOC and emissions regulations, industrial energy reduction targets, and the growing demand for measurable sustainability credentials across the bonding value chain.

This presentation reviews the latest innovations in TPU adhesive technology from both a raw material and formulation perspective. Drawing on our distribution partnership with Lubrizol and our own adhesive development capabilities, we will present an integrated view of where TPU adhesive chemistry is heading.

The first focus is on bio-based Pearlbond ECO TPU grades and their impact on carbon footprint. We will discuss how the incorporation of renewable building blocks into TPU polymer architecture enables meaningful reductions in CO₂ equivalent emissions across the product lifecycle — without compromising adhesion performance, thermal resistance, or processing characteristics.

The second area addresses advances in activation temperature. New TPU formulations with lower softening and activation profiles enable bonding at reduced temperatures, opening new opportunities for heat-sensitive substrates — particularly relevant in textile lamination, footwear, and light-weight composite assembly — while delivering measurable energy savings in industrial processes.

Finally, we will present water-based polyurethane dispersion systems developed in-house as functional replacements for solvent-borne TPU adhesives. These aqueous dispersions address VOC reduction requirements and occupational health constraints while achieving competitive open time, bonding strength, and compatibility with existing industrial application equipment.

Together, these three axes – greener chemistry, process efficiency, and solvent-free technology – define BT’s approach to reinventing TPU adhesive solutions for a more sustainable industrial future.

Co-author:

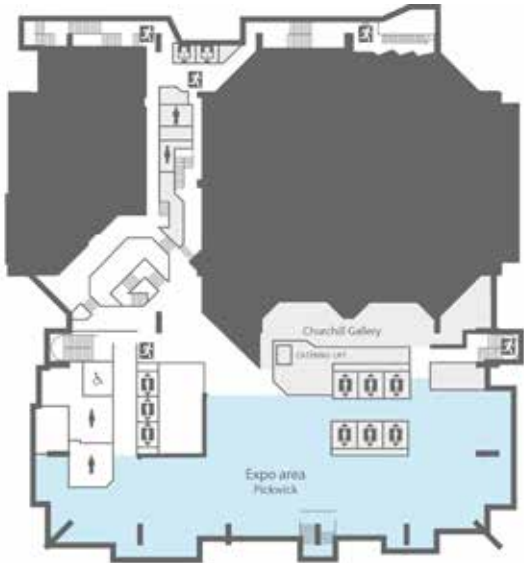
Karine Chomet

Floor Plan

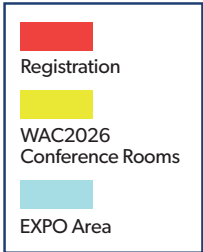
Groundfloor



1st floor - EXPO area



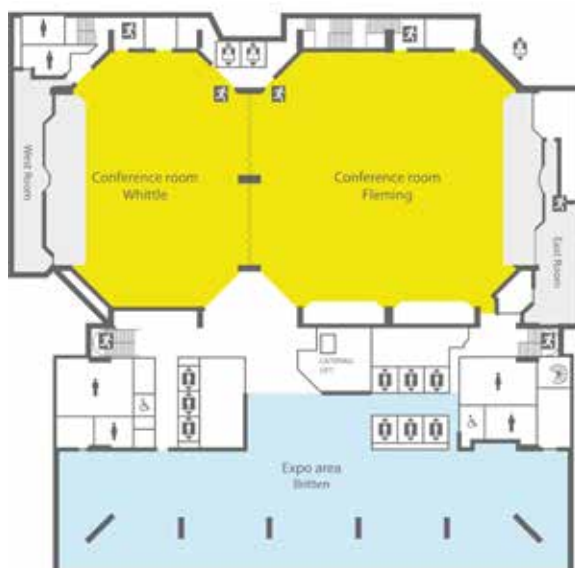
Legend



2nd floor - EXPO area



3rd floor - EXPO area



Floor Plan

4th floor



5th floor



6th floor



Legend

	Registration
	WAC2026 Conference Rooms
	EXPO Area

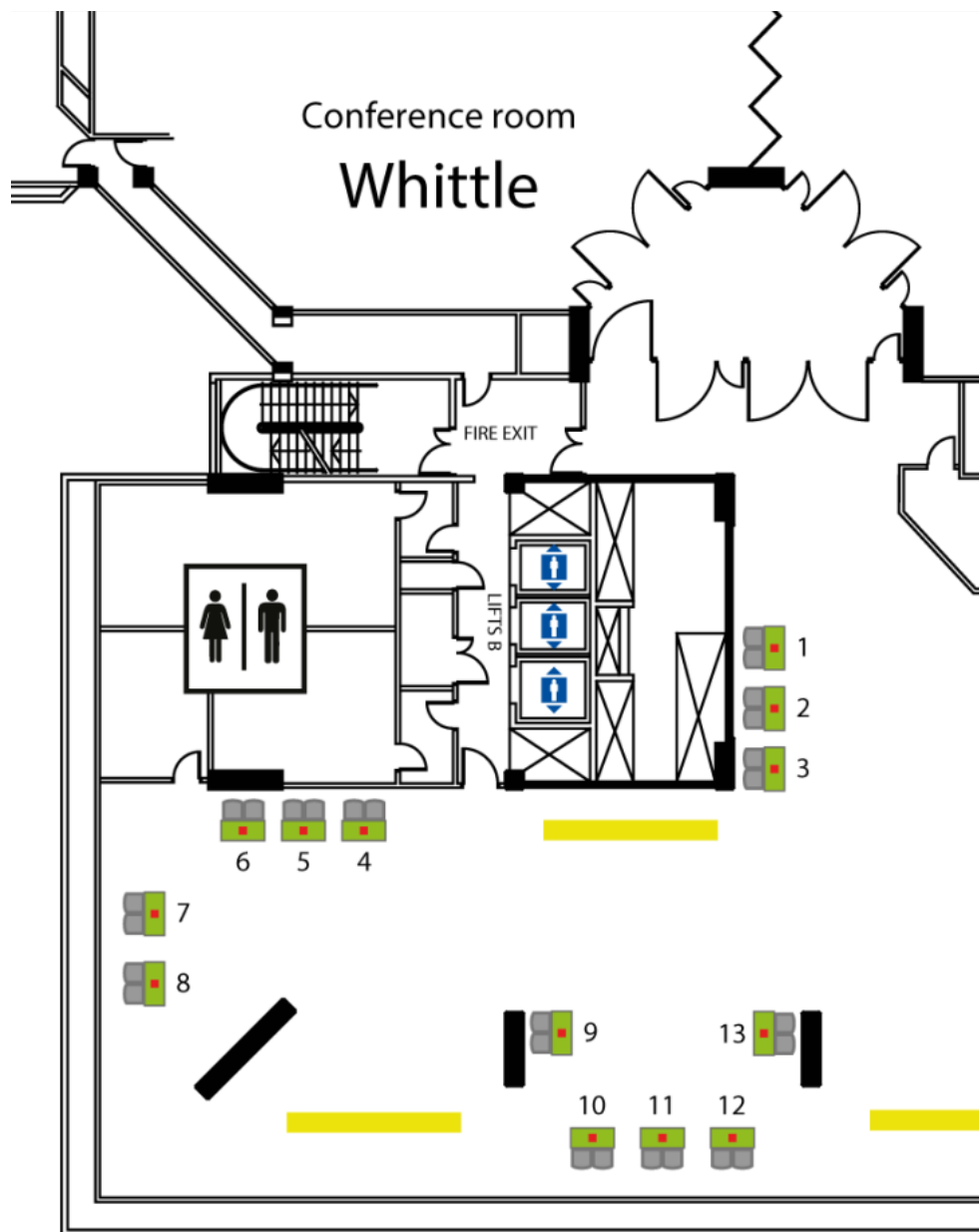
EXPO Floor Plan

 - exhibition table

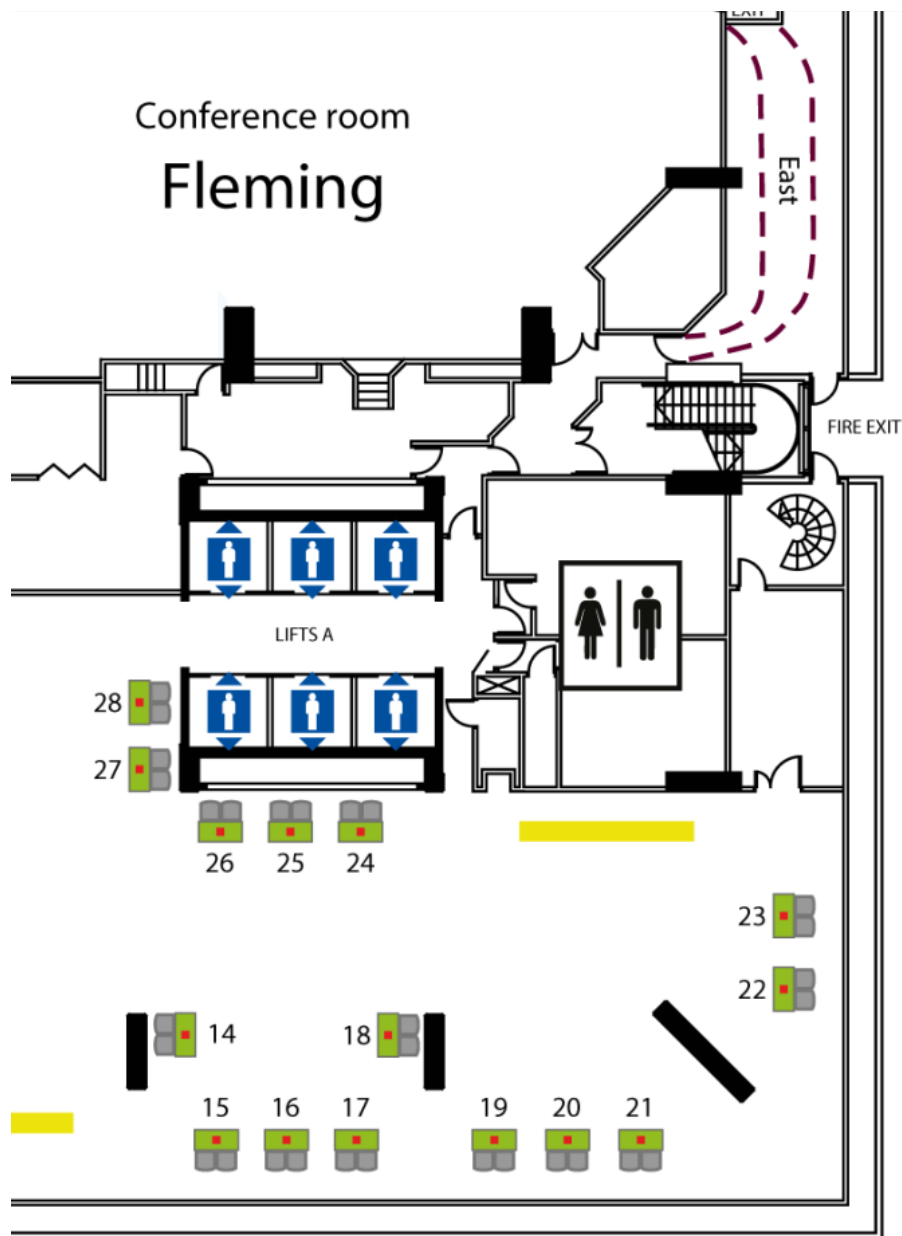
 - booked exhibition table

 - catering

QEI Centre - Floor 3 • Exhibitors on pag 92



Conference room Fleming



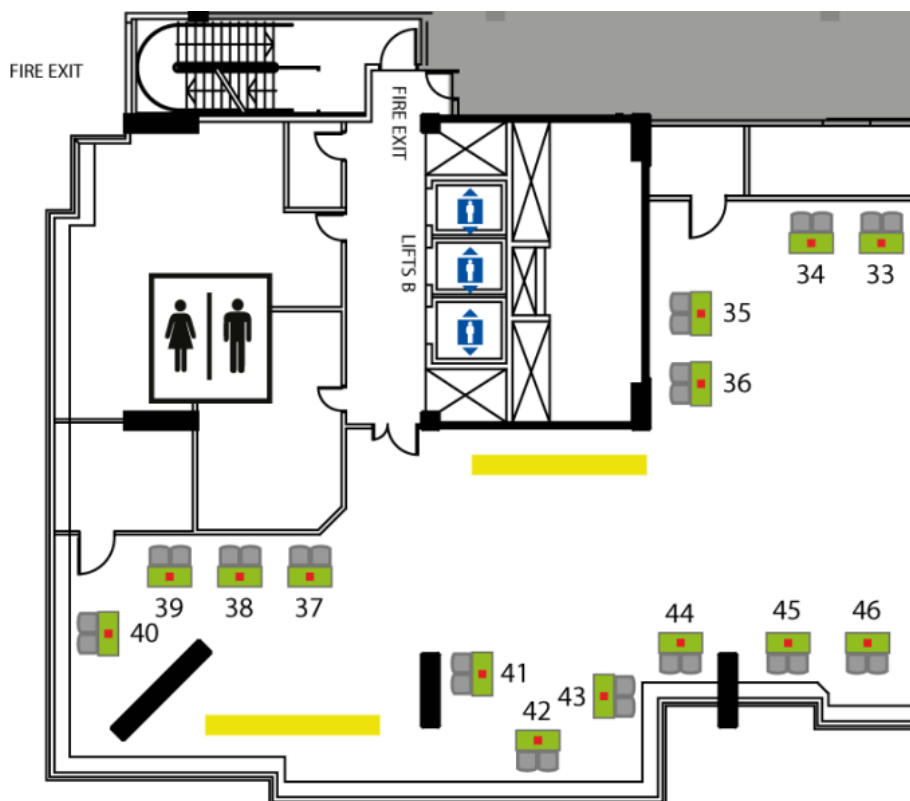
EXPO Floor Plan

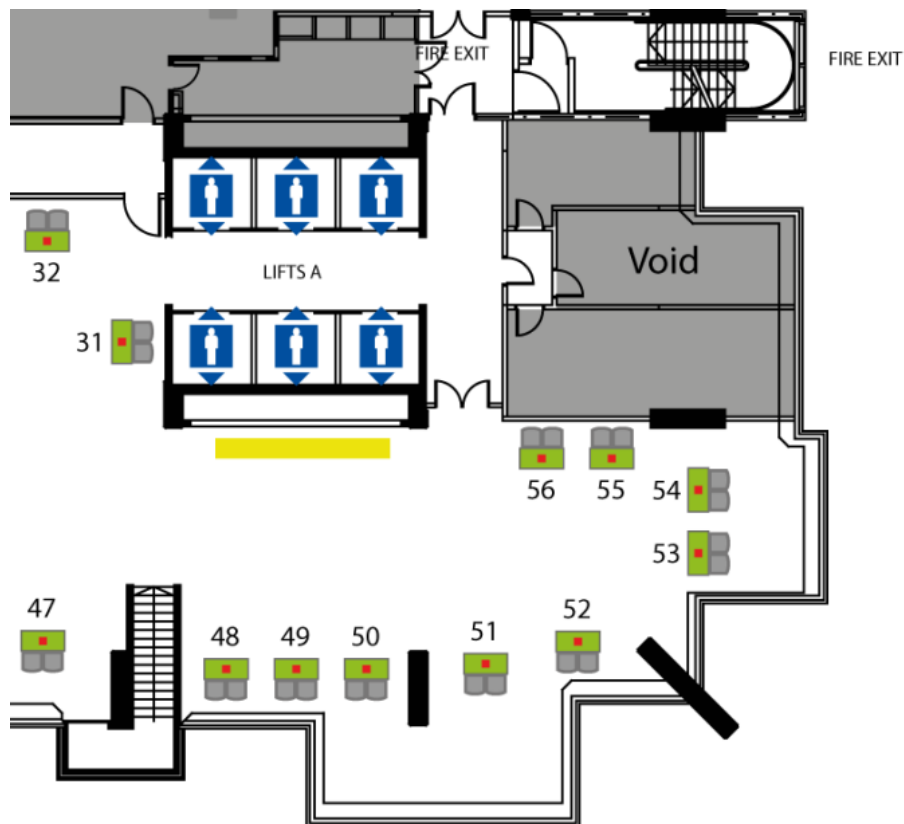
 - exhibition table

 - booked exhibition table

 - catering

QEII Centre - Floor 2 • Exhibitors on pag 92





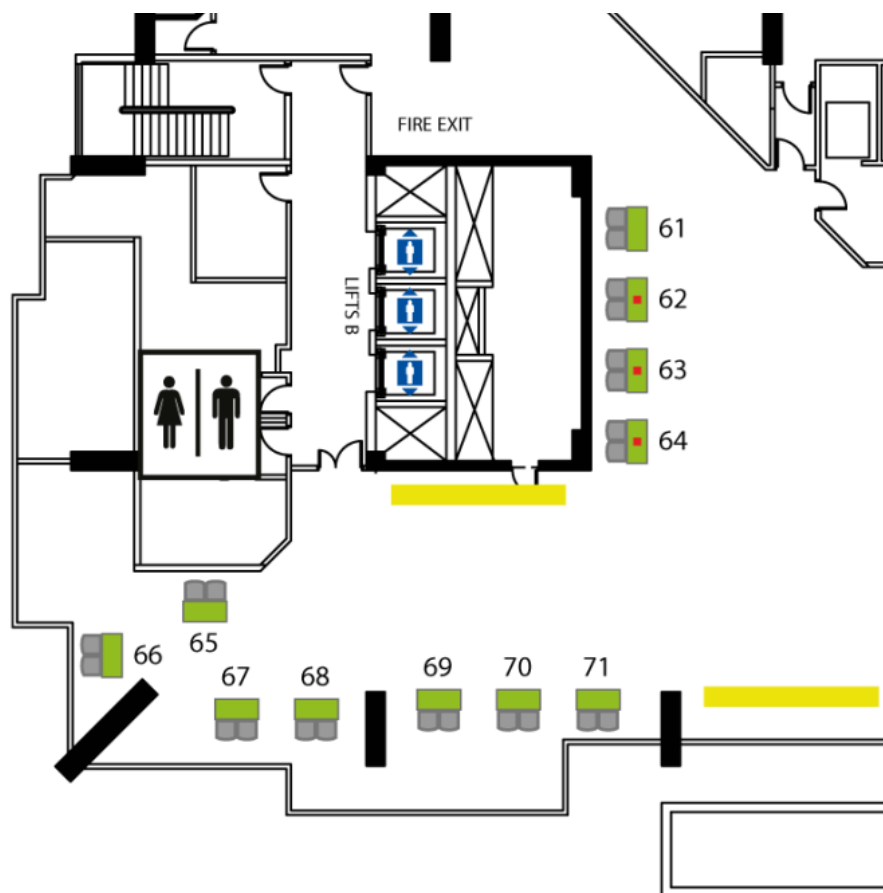
EXPO Floor Plan

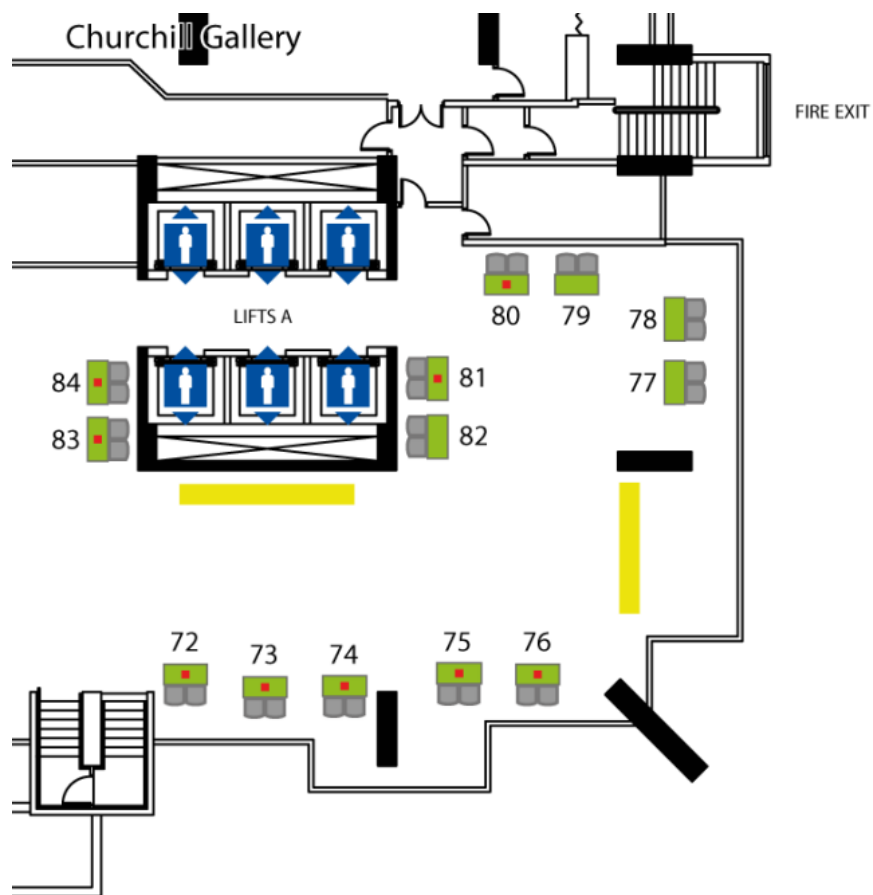
 - exhibition table

 - booked exhibition table

 - catering

QEI Centre - Floor 1 • Exhibitors on pag 92





Exhibitors

Table No (Floor)

Actylis	43 (F2)
AGC Chemicals Europe Ltd.	15 (F3)
Agrana Starch	17 (F3)
Alberdingk-Boley	74 (F1)
Argus Media	81 (F1)
Arlanxeo	11 (F3)
Azelis	41 (F2)
Bjørn Thorsen A/S	73 (F1)
Braskem	64 (F1)
Bruno Bock Group	44 (F2)
BYK	2 (F3)
Cardolite	39 (F2)
Cargill	24 (F3)
Collano	42 (F2)
Dow	83 (F1)
Eastsun New Materials. Corp. Ltd.	20 (F3)
Elementis	7 (F3)
ENTEX	48 (F2)
Ergon	13 (F3)
HB Group (Bitoner / Higree / Hexxas)	46 (F2)
Henghe Materials	5 (F3)
Hoffmann Mineral	21 (F3)
Hywax	35 (F2)
IMCD	45 (F2)
Ingevity	50 (F2)
Jianqin International Trading (Shanghai) Co., Ltd.	38 (F2)
JPB Industry	27 (F3)
Kaneka	32 (F2)
Kemi Pine Rosins Portugal S.A.	3 (F3)
Keyser & Mackay KG	9 (F3)
King Honor International Ltd.	31 (F2)
Kraton Chemical	33 (F2)

Exhibitors

Table No (Floor)

Kuraray Europe GmbH	37 (F2)
Lawter	22 (F3)
Longstone Wax China	47 (F2)
MAAG Group	63 (F1)
MOL Group Chemicals	36 (F2)
Neville Chemical Company	62 (F1)
Newport Industries Ltd	76 (F1)
Niemann	75 (F1)
Nitto Kasei Co., Ltd.	26 (F3)
Nynas AB	19 (F3)
Omya International AG	55 (F2)
PCC Rokita SA	1 (F3)
PolyU GmbH	8 (F3)
Rain Carbon Germany GmbH	72 (F1)
Respol Resinas SA	51 (F2)
Risun Polymer	54 (F2)
Safe use of Diisocyanates	80 (F1)
Shandong QL New Materials Co., Ltd	10 (F3)
Shanghai Farfly	40 (F2)
Smithers	52 (F2)
Solstice Advanced Materials	12 (F3)
SpecialChem	84 (F1)
Squeeze Solution	53 (F2)
Substratec	56 (F2)
Super Bond Adhesives	34 (F2)
Tex Year Industries Inc.	16 (F3)
TotalEnergies Fluids	49 (F2)
Turello SRL	4 (F3)
Uncountable	28 (F3)
UTH GmbH	23 (F3)
Vermee Individulised Packaging Technology	18 (F3)
Zibo Luhua Hongjin New Material Group Co., Ltd.	25 (F3)

Exhibitors' Profile



Actylis

www.actylis.com

Table no.

43

Actylis delivers high-quality specialty chemicals to industries such as C.A.S.E., lubricants, electronics, plastics, water treatment, and more through a global sourcing and manufacturing network. With 75+ years of experience, we offer tailored solutions, from niche formulations to custom logistics. Our team collaborates closely with your R&D and procurement groups to ensure regulatory compliance, secure supply, and simplified operations – helping you reduce risk, cut complexity, and keep production running smoothly.

Contact: Cary Jones, Territory Sales Manager, UK, NL & Nordics

📍 Actylis, 3 rue de Geneve, 69451 Lyon, France

☎ 011 49 40 2270266 | ✉ cjones@actylis.com



AGC Chemicals Europe Ltd.

www.agcce.com

Table no.

15

AGC Inc. was founded in 1907 and the chemical business began in 1917 with the production of soda ash, a raw material in flat glass.

After nearly 100 years in business, AGC Inc. has expanded into chlor-alkali and urethane, gas and solvents, fluoroproducts, and life sciences, to produce the world's finest products for a wide variety of fields.

Guided by the vision of 'Chemistry for a Blue Planet', at AGC Chemicals we continue to provide a wide variety of products that are useful for a fulfilling, safe and comfortable society and environment, from basic chemicals to high-function chemicals, including high performance polyols.

At AGC Chemicals Europe we have the experience of manufacturing. Our teams in Logistics, Marketing and Customer Service based in the UK and the Netherlands are able to provide solutions and support for the European chemical industry.

Contact: Yorick Renema, Product Manager, Polyols & Solvents

📍 AGC Chemicals Europe Ltd., Zuidplein 80, 1077XV Amsterdam, The Netherlands

☎ +31 28804184 | ✉ yorick.renema@agc.com



Agrana Starch

<https://www.agrana.com>

Table no.
17

Established in 1988, AGRANA generates an annual revenue of approximately € 3 billion with 9,000 employees at 55 production sites worldwide. AGRANA is the world market leader in fruit preparations, one of the most important producers of fruit juice concentrates worldwide and the leading sugar producer in Central and Eastern Europe.

In its starch segment, AGRANA Starch is a leading producer of specialized starch products with added value, made from agricultural raw materials. With the brands Amitroglue®, Amitrolit® and Collabond®, AGRANA creates additives for glue formulations, based on sustainable and biobased raw materials.

The replacement of fossil-based raw materials is the key factor for more sustainable glue formulations. AGRANA's technical starches are the natural upgrade for state-of-the-art adhesives in the paper converting industry. The products are well established in laminating adhesives, core winding, labelling glues, paper bags, DIY adhesives, water activated glues and corrugated board manufacturing.

Starch is a locally available and renewable raw material, which adds significant value to the regional agriculture and farmers' families. Following the principle of zero waste, AGRANA's starch specialties contribute significantly to a greener future.

Contact: Ralf Gericke, Key Account Manager

📍 Agrana Stärke GmbH, Friedrich-Wilhelm-Raiffeisen-Platz 1, 1020 Vienna, Austria

☎ +43 753158070 | ✉ ralf.gericke@agrana.com



ALBERDINGK BOLEY

Alberdingk-Boley

www.alberdingk-boley.de

Table no.
74

Alberdingk Boley is an independent, globally operating manufacturer specialising in water-based acrylic and polyurethane dispersions, polyols, and natural oils such as castor and linseed oil. With decades of expertise in the development and production of aqueous binders, we serve a broad range of industries including adhesives, coatings, building & construction, and printing & packaging.

At the World Adhesive Conference, discover our broad portfolio of solutions for adhesive and bonding applications, including:

- Pressure-sensitive adhesives for tapes, labels and films
- Heat-sealable adhesives based on polyurethane and acrylic technologies
- Functional, heat-sealable barrier coatings for food packaging
- Crystalline polyurethane dispersions for furniture lamination and shoe bonding
- Sealants and adhesives for construction applications

Our focus is on combining high performance with innovative, resource-efficient technologies. We work closely with customers to develop solutions tailored to specific application requirements while supporting the transition towards more sustainable materials and processes.

With extensive expertise in water-based polymer technology and a strong commitment to innovation, Alberdingk Boley helps customers meet evolving performance, regulatory and sustainability requirements.

Visit us at WAC 2026 to discuss your next adhesive challenge.

Contact: Irene Tournée

📍 Alberdingk Boley GmbH, Düsseldorf Str. 53, 47829 Krefeld, Germany

☎ +49 2151528114 | ✉ i.tournee@alberdingk-boley.de



Argus is the leading independent provider of market intelligence to the global energy and commodity markets. We offer essential price assessments, news, analytics, consulting services, data science tools and industry conferences to illuminate complex and opaque commodity markets.

Headquartered in London with over 1,500 staff, Argus is an independent media organisation with 32 offices in the world's principal commodity trading hubs.

Companies, trading firms and governments in 160 countries around the world trust Argus data to make decisions, analyse situations, manage risk, facilitate trading and for long-term planning. Argus prices are used as trusted benchmarks around the world for pricing transportation, commodities and energy.

Founded in 1970, Argus remains a privately held UK-registered company owned by employee shareholders and global growth equity firm General Atlantic.

Contact: Leonardo Siqueira, Editor, Chemicals

📍 Argus Media, Lacon House, 84 Theobalds Rd, WC1X 8NL London, England

☎ +44 20 7780 4200 | ✉ daphne.ash@argusmedia.com



ARLANXEO is a world-leading synthetic rubber company with about 3,500 employees and a presence in 8 countries with more than 11 production sites. ARLANXEO was established 2016 as a joint venture of LANXESS and Saudi Aramco. Since 2018 ARLANXEO is a 100% subsidiary of Saudi Aramco.

The company's core business is the development, manufacturing and marketing of synthetic high-performance polymers.

Grades from the product lines Baypren® (chloroprene rubber), Perbunan®, Krynac®, Baymod® N (nitrile rubbers), Levamelt® (ethylene-vinyl acetate copolymers) and X_Butyl® (butyl rubber) are tailor-made for use in adhesive applications. The synthetic rubbers offer unique properties regarding elasticity, polarity and tackiness, making them particularly suitable for versatile applications in the adhesive and sealant industry:

- Levamelt®: Base polymer for pressure sensitive adhesives (PSA) and modifier for epoxy adhesives and PUR hot melts.
- Baypren®: First choice for contact adhesives.
- Perbunan®, Krynac® and Baymod® N: Base polymer for contact adhesives and modifier for structural adhesives
- X_Butyl®: elastomer with very low permeability for application in PSA, sealants.

BAYMOD® is a trademark of LANXESS Deutschland GmbH registered in many countries worldwide and used under license.

Contact: Marjan Hemstede, TS&P Manager

📍 ARLANXEO Netherlands B.V., Urmonderbaan 24, 6167 Geleen, The Netherlands



Azelis

www.azelis.com/en

Table no.

41

Azelis is the reference global innovation service provider in the speciality chemical and food ingredients industry present in 65 countries across the globe with over 4,300 employees. Our knowledgeable teams of industry, market and technical experts are each dedicated to a specific market within Life Sciences and Industrial Chemicals. We offer a lateral value chain of complementary products to more than 62,000 customers, supported by +2,800 principal relationships, creating a turnover of €4.2 billion (2024). Azelis Group NV is listed on Euronext Brussels under ticker AZE and is included in the BEL20 and BEL®ESG indices.

Across our extensive network of more than 70 application laboratories, our award-winning teams help develop formulations and provide technical guidance throughout the customers' product development process. We combine a global market reach with a local footprint to offer a reliable, integrated, and unique digital service to local customers and attractive – business opportunities to principals. Top industry-rated by Sustainalytics, Azelis is a leader in sustainability. We believe in building and nurturing solid, honest, and transparent relationships with our people and partners.

Impact through ideas. Innovation through formulation.

Contact: Dan Mathias, Marketing Manager CASE/AMA

📍 Azelis Group NV, Posthofbrug 12/box 6, 2600 Berchem, Belgium

✉ dan.mathias@azelis.com



Bjørn Thorsen A/S

bjorn-thorsen.com

Table no.

73

Bjørn Thorsen is a privately owned European Distributor of specialty raw materials. The company started in Denmark in 1952 and has evolved into a highly specialized distributor of thermoplastic elastomers, specialty plastics, additives, solutions for adhesives & coatings and other performance materials for the European markets. Bjørn Thorsen offers customized solutions and provides technical and regulatory support for customers across Europe.

The company employs 80+ people across Europe with its head office located in Copenhagen, Denmark. Bjørn Thorsen serves customers from a Central European warehouse, as well as local stocks for flexible logistics and supply security. To answer customers' specific requirements across a wide variety of industries the company offers R&D support, tailor-made TPEs, powders and liquid formulations with laboratories and production facilities in Denmark and France. For more information, go to www.bjorn-thorsen.com.

Contact: Karine Chomet, Business Development Manager

📍 Bjørn Thorsen A/S, Soholm Park, 1, 2900 Hellerup, Denmark

☎ +33 7 86 42 74 66 | ✉ kc@bjorn-thorsen.com

**Braskem**www.braskem.com/specialties

Table no.

64

Focused on developing solutions to serve its customers with increasing efficiency, Braskem offers a diversified portfolio of products and a commercial structure that meets the demands of a wide variety of industries.

Braskem's Specialties & Renewables are sold to more than 70 countries around the world: Unilene HCR C9, PIB (Polyisobutylene), Isoprene, DCPD, PIPS, and others.

Braskem also develop and commercialize a portfolio that is composed of renewable products, with emphasis on 'I'm Green Bio-Based PE Wax', a product that has negative carbon footprint as it comes from sugar cane. It's a sustainable solution that complements Braskem's portfolio offer for multiple markets. The ideal applications for this product are adhesives, coatings, cosmetics, and compounds.

Contact: Leticia Lantin, Account Manager

📍 Braskem, Weena 240, 9^o floor, 3012 NJ Rotterdam, The Netherlands

☎ +31 62 709 1230 | ✉ leticia.lantin@braskem.com

**Bruno Bock Group**www.thiochem.com

Table no.

44

The Bruno Bock Group is a leading specialty chemicals company with a strong footprint in the adhesives industry, offering a broad portfolio of technologies for high-performance bonding solutions. The group provides advanced solutions for radiation-curable systems, high quality polythiol, mercaptane and amine curing agents/hardeners, epoxy reactive diluents and crosslinkers.

Contact: Dr. Tom Beyersdorff, Director Business Unit New Technologies

📍 Bruno Bock Holding GmbH & Co. KG, Eichholzer Strass 23, 21436 Marschacht, Germany

☎ +49 4176 6469 768 | ✉ t.beyersdorff@thiochem.com

**BYK**

Table no.

2[www.byk.com/en/applications/
adhesives-and-sealants](http://www.byk.com/en/applications/adhesives-and-sealants)

BYK is a leading global supplier of specialty chemicals. The company's innovative additives and differentiated solutions optimize product and material properties as well as production and application processes. Amongst other things, BYK additives improve scratch resistance and surface gloss, the mechanical strength or flow behavior of materials, and properties such as UV- and light stability or flame retardancy. In the field of quality assurance, BYK's measuring and testing instruments serve to effectively assess appearance and physical properties.

The company's customers include manufacturers of coatings and printing inks, plastics, adhesives and sealants, as well as cleaners, floor coatings, and lubricants. BYK additives are also successfully used in the construction chemistry, oil and gas, and foundry industries.

BYK has a global network of subsidiaries and operates production sites in Germany (Wesel, Kempen, Moosburg, Schkopau), the Netherlands (Deventer, Denekamp, Nijverdal), and the UK (Widnes), in the USA (Wallingford, Chester, Earth City, Gonzales, Louisville, Pittsford), and in China (Shanghai, Tongling).

The company is part of the ALTANA Group and employs a workforce of more than 2,500 people worldwide.

Contact: Tobias Austermann, Head of Global Enduse Adhesives & Sealants

📍 BYK-Chemie GmbH, Abelstrasse 45, 46483 Wesel, Germany

📞 +49 1712996395

**Cardolite**

Table no.

39www.cardolite.com

For over 40 years, Cardolite has focused on the production of high performance Cashew Nutshell Liquid (CNSL) technology based products. The unique properties of CNSL are used to develop and produce a wide range of polyamines, specialty epoxy resins, polyols and NCO blocking agents offering excellent hydrophobicity, chemical and fire resistance among other benefits. As a bonus these materials are green and have a very sustainable character.

Cashew nutshell liquid (CNSL) is a natural, and annually renewable biomaterial. CNSL can be found in the honeycomb structure of the cashew nutshell and is considered a by-product (non-food chain material) of the cashew nut industry.

Cardolite manufacturing facilities in Zhuhai, Guangdong (China), and Mangalore, Karnataka (India) are ISO 9001/14001/45001 registered and strictly adhere to local and best practice health, safety, environmental, and security standards. With sales offices, representatives, and distribution facilities in Europe, the Americas and Asia, Cardolite prides itself on delivering high quality products and services across the globe.

Contact: Tom Berckmans, Sales Manager

📍 Cardolite SCE NV, Wijmenstraat 21K / 2, 9030 Mariakerke, Belgium

📞 +32 478903900 | ✉ tom.berckmans@cardolite.com



www.cargill.com/bioindustrial/adhesives-and-sealants

Cargill

Table no.

24

Cargill's Advanced Polymer Materials division offers a unique portfolio of bio-based technologies to modify selected engineering plastics, bringing their performance to the next level. The brands Priplast™ polyester polyols, Pripol™ dimer acids & dimer diols and Priamine™ dimer diamines are brought to the market by Cargill, offering flexibility, water resistance, durability and other benefits to high performance coatings, adhesives and engineering polymers.

Contact: Lygia Bruni, Global Marketing Manager

📍 Cargill Bioindustrial, Buurtje 1, 2802 BE Gouda, The Netherlands

✉ polymer-materials@cargill.com



Collano

Table no.

42

www.collano.com

Collano is a Swiss adhesive manufacturer and innovation partner with over 75 years of experience in high-performance bonding solutions. Since 1947, the company has combined expertise in polymer chemistry with a strong focus on innovation, quality and sustainability, serving industries such as construction, woodworking, automotive, safety and technical textiles.

Headquartered in Sempach Station, Switzerland, Collano develops, manufactures and markets liquid adhesives and bonding technologies for reliable and durable connections. The company supports customers across the entire product lifecycle, from technical consulting and application development to industrial production and quality assurance.

In addition, Collano offers contract manufacturing for chemical-technical products, including emulsion polymerisation, mixing technologies and pilot-scale production. Flexible capacity, certified processes and extensive manufacturing expertise enable efficient market entry for new products.

Driven by technical excellence and close collaboration, Collano develops solutions that meet evolving market needs while enhancing sustainability. The company is certified to ISO 9001 and ISO 14001 standards, underlining its commitment to quality, environmental responsibility and long-term partnerships.

Contact: Philipp Hug, Head of Tolling

📍 Collano AG, Neulandstrasse 1, 6203 Sempach Station, Switzerland

☎ +41 41 545 98 64 | ✉ philipp.hug@collano.com

**Dow**www.dow.com

Table no.

83

Dow Building & Infrastructure (B&I) is a global leader in silicone technology and a trusted partner to the construction and adhesives & sealants industry. Drawing on decades of materials science expertise, Dow develops high-performance solutions that help create durable, efficient, and sustainable building envelopes around the world.

Dow's silicone-based technologies are widely used in façade, glazing, weathersealing, and structural bonding applications, delivering long-term performance under demanding environmental conditions. Designed to accommodate building movement while protecting against air and water ingress, these solutions help extend service life, reduce maintenance requirements, and support greater design freedom.

As building and construction markets evolve, Dow continues to collaborate closely with formulators, architects, engineers, façade specialists, and industry partners to address emerging performance, sustainability, and regulatory challenges. Through a systems-oriented approach and deep application expertise, Dow enables advanced adhesive and sealant solutions that support resilient, energy-efficient, and visually striking buildings.

By combining innovation, technical support, and a commitment to industry collaboration, Dow helps customers bring next-generation construction solutions to market and contributes to shaping the future of the built environment.

Contact: Marie Simonart, Marcom Lead

📍 Dow Chemical Iberica, Spain

✉ msimonart@dow.com

**Eastsun New Materials. Corp. Ltd.**www.eastsunresin.com

Table no.

20

Eastsun (ESUN伊森®) is a state-of-the-art manufacturer of Hydrocarbon Resins in China. With consistent dedication to R&D and improvement since 2006, Eastsun has gained a great reputation based on its excellent compatibility with EVA, light color, low VOC and low naphthalene content. ESUN伊森® resin has been globally applied to a diverse industrial spectrum including HMA (Woodworking/Edge-Banding Adhesive), PUR adhesive, PSA, Packaging Adhesive, Marine and Protective Coatings, Vanish Paint, Enamel Paint, Road Marking Paint, Asphalt, Rubber, etc.

Eastsun has been always focusing on offering functional and bespoke Hydrocarbon Resins. Currently our excellent peel strength in HMA has also won great feedback from our customers. Moreover, Eastsun is capable of tailor-made products which determined by various formula. Eastsun has been devoted to working with multinational conglomerates in long-term partnerships and strategic co-operation.

Contact: Maggie Lee, Director of Sales and Marketing

📍 Qingdao Eastsun New Materials Corporation Limited, No.356 Jianshe Road, Jiulong Town, Jiaozhou, 266071 Qingdao, China

☎ +86 532 80628866 | ✉ sales@esunresin.com



Elementis

Table no.

7

www.elementis.com/markets-and-products/adhesives-sealants/

Elementis is a global specialty chemical company, with 1,300 employees operating 17 manufacturing sites across the globe. At Elementis, we bring a distinctive combination of expertise, innovation, and teamwork to every formulation challenge. We create high-value specialty additives that enhance the performance of our customers' products and make a positive change in the world.

Combining our leading positions in the science of materials flow, surface modification, and formulation with access to unique natural materials, Elementis delivers unique chemistry, sustainable solutions to customers in a wide range of markets, including adhesives and sealants, construction, decorative and industrial coatings, automotive and ceramics.

Visit the Elementis table (#7) to learn more about speeding up your production with Elementis' line of rheology modifiers. With the largest portfolio in the industry, we can certainly offer an alternative product to help cut your production time while maintaining quality.

Please visit www.elementis.com for more information.

Contact: Ana Sanchez, Global Segment manager- Adhesives, sealants and construction

📍 Elementis Portugal, Unipessoal Lda, Avenida da Boavista, Número 3265 – 2.8, 4100-137 Porto, Portugal

✉ ana.sanchez@elementis.com



ENTEX

Table no.

48

www.entex.de

Pioneering innovations.

ENTEX Rust & Mitschke GmbH is the leading manufacturer of Planetary Roller Extruders. ENTEX has over 160 intellectual property rights registrations to its name since its founding. The company's product portfolio also includes calender rollers and tempering systems.

Solutions that are sure to impress – right down to the tiniest detail.

For more than 35 years, ENTEX Rust & Mitschke GmbH is located right in the heart of the Ruhr area in Bochum. We have over 150 people working here to create new solutions for our customers in the field of extrusion technology. The company also has its own state-of-the-art testing facilities in Bochum for process and product developments.

Today the ENTEX Planetary Roller Extruder covers the full scope of compounding and process technology for a wide range of industrial applications, including in the plastics, rubber, chemicals, paint, recycling and food industries.

Contact: Marco Schoenekaess, Sales

📍 ENTEX Rust & Mitschke GmbH, Heinrichstrasse 67 a, 44805 Bochum, Germany

☎ +49 234 89 122 0 | ✉ marco.schoenekaess@entex.de

Ergon is the world's leading producer of naphthenic specialty oils. Operating two refineries located in the United States, Ergon has a unique ability to develop, produce and provide long-lasting, high-value solutions customers utilize to improve the performance of products that people worldwide use daily.

Ergon offers several bio-based and recycled products for its customers that help meet ESG goals while meeting performance expectations.

Family-owned and operated since 1954, Ergon has fostered a culture of excellence and a commitment to customer satisfaction. Our global distribution network ensures that our specialty process oils reach customers worldwide. With a focus on niche applications, we continue to innovate and provide tailored solutions that deliver exceptional performance and reliability.

Learn more at www.ergonspecialtyoils.com

Contact: Dr. Cristina Bergmann, Director Business Development Process Oils

📍 Ergon International Inc., Drève Richelle 161, 1410 Waterloo, Belgium

✉ cristina.bergmann@ergon.com



HB Group (Bitoner / Higree / Hexxas)

www.hb-group.com.cn/

Table no.
46

HB Group is a comprehensive multinational corporation that integrates the development, sales, quality control and applications research of Hydrocarbon Resin, Rosin Ester, Thermoplastic Elastomer SIS rubber, and also Polyolefin like APAO and Metallocene etc.

Headquartered in the vibrant city of Qingdao, China, HB Group operates under three distinguished sales brands: Bitoner, Higree, and Hexxas. Our commitment to excellence is evident through our state-of-the-art testing laboratory, accredited with CMA and CNAS certifications. With domestic warehouse centers strategically located in Qingdao, Ningbo, Xiamen, and Guangzhou, we ensure seamless operations. Additionally, our global footprint extends to the Netherlands, Canada, Italy, and Japan, where we have established overseas companies and warehouses, providing efficient and swift one-stop services for the global adhesive, coating, rubber, and plastic industries.

Contact: Matthew Gong, Regional Manager

📍 HB Group (Bitoner / Higree / Hexxas), Room 1103, No. 6 Shandong Road, 266071 Qingdao, China

☎ +86 185 6067 7901 | ✉ matthew.gong@hb-group.com.cn



Henghe Materials has been serving the synthetic resin and fine chemical industry for more than 18 years and has become the biggest C5 and C9 manufacturer worldwide. In particular, Henghe is a hydrocarbonresin producer manufacturing diverse kinds of hydrocarbon resins (Including C5 aliphatic resin, C9 aromatic resin, AMS hydrocarbon resin (Alpha Methyl Styrene Resin), liquid C9 hydrogenated resin C5 hydrogenated resin, C9hydrogenated resin, C5/C9 copolymer resin, Coumarone resin), which meet the customers' needs by offering a wide and innovative technology. Present Henghe has five plants to produce hydrocarbon resin and the annual capacity achieved 400,000 Metric Tons, and we export to morethan 90 countries with an output of 1.8 Billion USD.

Contact: Bilinda Sun, Export Manager

📍 Henghe Materials & Science Technology Co., Ltd, 2222, Binhai Road, Ningbo Petrochemical Zone, Ningbo City, Zhejiang, 315203 Ningbo, China

☎ +86 13758369275 | ✉ bilinda@hh-sh.com



HOFFMANN MINERAL is a German manufacturer of a natural mineral filler, named Neuburg Siliceous Earth, which is a combination of corpuscular Neuburg Silica and lamellar kaolinite: a loose mixture impossible to separate by physical methods. As a result of natural aging, the silica portion exhibits a round grain shape and consists of aggregated primary particles of about 200 nm diameter. The unique structure leads to good application properties. This functional filler is sold worldwide under its trade name SILLITIN and SILLIKOLLOID and surface treated AKTISIL. Our calcined products SILFIT and AKTIFIT are based on the standard product SILLITIN Z 86. A thermal process is used to expel the crystalline water in the kaolinite portion and new mineral phases are formed practically amorphous. The silica portion remains inert at the temperature used. The resulting products have an outstandingly high degree of white and color neutrality. The Tailored Filler Solutions product GLOXIL is now expanding this portfolio in order to give customers the opportunity to differentiate themselves from the competition with tailored products in existing applications. HOFFMANN MINERAL has been working in cooperation with 3M for years to develop products based on hollow glass microspheres. The product is based on the iM16k, modified with a special functional group.

Contact: Susanne Reiter, Area Sales Manager

📍 Hoffmann Mineral GmbH, Münchener Strasse 75, 86633 Neuburg a. d. Donau, Germany

☎ +49 8431 53 236 | ✉ susanne.reiter@hoffmann-mineral.com



Hywax

www.hywax.com

Table no.

35

Hywax offers an extensive portfolio of products featuring paraffin, microcrystalline and synthetic Fischer-Tropsch waxes, petroleum jellies as well as tailor-made blends and emulsions. Actively supplying every industrial application including: hot melt adhesives, polymer processing, inks, paints, coatings, rubber, tire, paper, packaging, textiles, cosmetics, Pharma, construction board as well as road construction, candles and many others.

Contact: Dr. Arnd-Lueder Gaulke, Senior Manager Marketing & Sales

📍 Hywax GmbH, Worthdamm 13 – 27, 20457 Hamburg, Germany

☎ +49 171 7298445 | ✉ arndlueder.gaulke@hywax.com



IMCD

www.imcdgroup.com

Table no.

45

IMCD Group, headquartered in Rotterdam, The Netherlands, is a leading global partner for the distribution and formulation of speciality chemicals and ingredients. A strong, innovative business partner and solutions provider for producers of consumer, industrial and durable goods in multiple business sectors.

The Coatings & Construction business group offers speciality raw materials that drive performance, innovation, and sustainability in paints, coatings, construction, adhesives, printing inks, textile, leather, and paper formulations.

For our customers, product performance and meeting market needs are top priorities. Therefore, we work with some of the world's leading brands to offer a diverse and innovative portfolio of additives, functional fillers, pigments, resins and speciality solvents.

Our skilled team of product, technical and sales experts work to anticipate future needs and use their innovative thinking to drive formulation evolution.

Contact: Simone Ottani, Line Director Adhesives

📍 IMCD Italia S.p.A, Via Giosuè Borsi, 9, 20143 Milano MI, Italy

☎ +393346150768 | ✉ simone.ottani@imcd.it

Ingevity is a world leader in caprolactone technology and innovation, with a 50-year history of helping customers produce high-performing, sustainable products. Our Capa® family of engineered polycaprolactone-based polyols and thermoplastics result in adhesive formulas with superior adhesion, bonding and durability. Our comprehensive product portfolio allows adhesive producers to improve and finely tune the properties of hotmelt, reactive hotmelt and liquid polyurethane adhesives. Our products also help meet key adhesive requirements across a broad spectrum of market applications such as packaging, transportation, footwear, metal, electronics and construction. Ingevity's engineered polymers provide an array processing, performance and business advantages.

Ingevity (NYSE: NGVT) is a leading provider of performance chemicals, high performance carbon materials and advanced polymer technologies. Headquartered in North Charleston, South Carolina, Ingevity operates from 31 countries around the world. We develop, manufacture, and bring to market products and processes that purify, protect, and enhance the world around us. Our products are used in a variety of demanding applications including adhesives, agrochemicals, asphalt paving, bioplastics, coatings, elastomers, lubricants, pavement markings, publication inks and automotive components.

Contact: Matthew Ma, Market Segment Manager – Adhesives & Sealants

📍 Ingevity UK, Baronet Road, Warrington, WA4 6HA Warrington, United Kingdom

☎ +44 7754559525 | ✉ matthew.ma@ingevity.com



Jianqin International Trading (Shanghai) Co., Ltd.

www.jianqintrade.com

Table no.

38

Founded in 2016, Jianqin International Trading (Shanghai) Co., Ltd. is headquartered in Shanghai, with its supply chain company based in Singapore, serving customers worldwide. The company has established an R&D and pilot production center in Shanghai, while its manufacturing facility is located in the Changxing Island National Chemical Industrial Park in Dalian, China.

We are the largest supplier of suspension-polymerized solid acrylic resins in China, with an annual production capacity of 15,000 tons. The company focuses on R&D and integrated supply chain solutions. Our core product portfolio includes tackifying resins, solid acrylic resins, specialty EVM, amorphous polyolefins, butyl rubber, polyisobutylene, water-based emulsions, epoxy toughening agents, and a wide range of functional additives.

Contact: Eric Dou, General manager

📍 Jianqin International Trading (Shanghai) Co., Ltd., Room 401, Building 16A, Quanfangwei Science and Technology Park No. 1699 Duhui Road, Minhang District, 201111 Shanghai, China

☎ +86 21 57960390 | ✉ eric.dou@jianqintrade.com



JPB Industry

www.jpbindustry.com

Table no.

27

NEW: ask for our DUAL PROCESS SYSTEM, 2 in 1!

JPB INDUSTRY, Worldwide Expert and Leader in Systems for the packaging of HM PSAs also manufactures DUAL PROCESS SYSTEMS = Both small Pillows (Co-Extrusion) + large Chubs (Bagging) are produced by the same system!

Very high versatility by combining 2 Technologies.

Just select your process from the HMI = no change of equipment required.

One single system can produce small Pillows of 30 g (0.07 lb) and large Chubs of 500 to 1.000 g (1.1 to 2.2 lbs).

Highly Efficient, fully integrated processes, cost saving (2 in 1), reduced footprint.

DUAL PROCESS SYSTEM currently available in 500 kg/hr and 1.000 kg/hr (1.100 lbs and 2.200 lbs)

JPB INDUSTRY = fully integrated Turnkey Lines: Screen Changers + Melt Coolers + PSA Packaging Systems

75 systems all around the World from East to West (from Japan to Brasil, Europe, India, South East Asia,...), including 25 units sold in Europe.

Contact: F-X. de Thezy, CEO

📍 JPB Industry, 1-3 rue de l'Innovation, 85150 Les Achards, France

☎ +33 25121 5151 | ✉ fx.dethezy@jpbindustry.com



Kaneka

www.kaneka.be

Table no.

32

Kaneka Belgium NV is founded in 1970 and is a subsidiary of Kaneka Corporation, a leading technology-driven chemical company, with headquarters in Osaka and Tokyo, Japan.

In 1997, Kaneka Belgium NV started to produce Kaneka MS Polymer™. Kaneka MS Polymer™ is the premium choice worldwide of base resin for producing high-quality sealants, adhesives, and coatings to deliver outstanding performances for construction, industry, flooring, waterproofing, DIY, and consumer markets. The product is widely recognized by formulators, applicators, designers, and engineers throughout the world.

Kaneka MS Polymer™ is an isocyanate-free, low-VOC Silyl-Terminated Polyether (STPE) base resin that provides well-balanced properties as durability, reactivity, and storage stability. With a broad range of grades available, Kaneka MS Polymer™ is suitable for a variety of requirements.

Contact: Luc Peeters, R&D Manager

📍 Kaneka Belgium NV, Nijverheidsstraat 16, 2260 Oevel, Belgium

☎ +32 (0)14 25 78 90 | ✉ luc.peeters@kaneka.be



Dedicated to the production of high-performance rosin resin products as raw materials for different industries. With two industrial units in Portugal, a new innovative plant has been operating since 2019, and the first site has been running since 1970.

We are firmly focused on research, innovation, sustainability, and exceptional technological concepts. And firmly based on solid commitments to achieve excellence and add value to all associated parties and specific markets.

At PINE ROSINS, we have a complete range of products that deliver high performance in the most varied applications. Since our commitment as an organization is the continuous pursuit of excellence in the development and production of rosin products, we strive to meet the highest expectations of our customers and the market. We privilege the development of close connections with our partners promoting fluid information sharing which allows the design of cutting-edge product solutions, adjusted to specific needs delivering high-performance results.

Adhesives, Rubber, Ink & Varnishes, Road marking, Cosmetics, Paper sizing, Food.

Contact: Firmino António Rocha, Managing Director

📍 Kemi Pine Rosins Portugal S.A., Zona Industrial de Cantanhede, Lote 122, 3060-197 Cantanhede, Portugal
☎ +351 962 010 888 | ✉ firminorocha@pinerosins.com



KEYSER & MACKAY
ADDING VALUE TO YOUR PRODUCTS

Keyser & Mackay KG

www.keysermackay.com

Keyser & Mackay is an experienced agent and distributor of specialty chemicals and equipment with an extensive network throughout the heart of Europe.

We represent over 100 suppliers producing a wide range of products including additives, pigments, fillers, polymers, surfactants, resins, silica's, wax emulsions, epoxy hardeners, silanes and many more. We serve over 1000 customers with a full range of functional and synergetic products for many industries including coatings and printing inks, adhesives and sealants, plastics, construction, basic chemicals and many others.

Keyser & Mackay has 120 employees and offices in 8 countries in Europe, each having its own storage facilities. We work industry segmented with dedicated and experienced technically educated industry managers acting as problem solvers, supported by commercial inside sales teams. We take care of market investigation, sales promotion, logistic matters, warehousing, sampling and technical support to customers.

Adding value to your products is our goal in life.

Contact: Frank Behler, Industry Manager

📍 Keyser & Mackay KG, Ettore-Bugatti-Str. 6-14, 51149 Köln, Germany
☎ +49 2203 20301 20 | ✉ f.behler@keymac.com



King Honor International Ltd.

www.khonorwax.com

Table no.

31

King Honor International Ltd. is a professional manufacturer and supplier of waxes, established in 2008 in Dalian, China. With our founder's extensive experience in the paraffin wax industry since the 1970s, we have become a trusted name in the market.

At King Honor, we specialize in producing high-quality waxes including Paraffin Wax, Fischer-Tropsch (FT) Synthetic Wax, and Microcrystalline Wax. We are proud to hold certifications such as ISO 9001, BPI, FDA, BFR, and RAL. Our range of developed products, such as KHIWAX QP115H, KHWAX QP105H, KHWAX QP85HN, KHWAX QP80HN, KH FTWAX 80, and KH PARAFFIN WAX F66N, has been specifically designed to cater to the unique requirements of high-end customers across various industries.

Our success is attributed to our focus on maintaining superior quality, high efficiency, implementing SOP systems, professionalism, and offering flexible business modes. As a result, our waxes have been exported to over 30 countries and regions worldwide, including South Asia, Japan, Europe, USA, South America, and New Zealand.

With King Honor, you can count on us to be your reliable partner in meeting your wax needs!

Contact: Lina Li, Sales Manager

King Honor International Ltd., FL 27, No. 88 Zhongshan road, Zhongshan District, Dalian 116001, China

+86 411 81822086 | lilina@188.com



Kraton Chemical

kraton.com

Table no.

33

Kraton Corporation is a global leader in specialty chemicals, pioneering cutting-edge solutions that enhance the performance and sustainability of products used in everyday life. With a commitment to innovation, Kraton develops, manufactures, and markets high-performance polymer and pine chemical solutions that serve a diverse range of industries, including adhesives, coatings, personal care, automotive, construction, and more.

At Kraton, sustainability is more than a goal—it is the foundation of our business. Our forward-thinking approach focuses on creating eco-conscious materials that help industries reduce their environmental footprint while maintaining quality and performance. By leveraging biobased and circular solutions, we enable our customers to meet growing regulatory and consumer demands for sustainable alternatives.

Kraton's products enhance the functionality and durability of countless applications, from safer and more efficient roads with our polymer-modified asphalt to renewable adhesives in packaging and hygiene products. Our pine-based chemistry solutions also play a key role in fragrances, flavors, and renewable fuel technologies, offering natural and sustainable options for various industries.

As a trusted partner in specialty chemicals, Kraton is dedicated to creating value through responsible innovation. Our mission is to shape a better, more sustainable future by developing next-generation materials that drive performance, efficiency, and environmental stewardship.

Contact: Panos Vlachos, Director

Kraton Chemical BV, Transistorstraat 16, 1322 CE Almere, The Netherlands

+31 (65) 16 24221 | panagiotis.vlachos@kraton.com



Kuraray Europe GmbH

isoprene.kuraray.com/en/products/mpd/

Table no.

37

Kuraray's MPD (3-methyl-1,5-pentanediol) provides a versatile foundation across the material spectrum.

In Polyurethane systems, it functions as a primary polyol or high-efficiency chain extender for demanding CASE applications.

We have success stories into lamination adhesive, thermal conductive adhesive, hotmelt, pressure sensitive adhesive and so on.

Contact: Ryosuke Ueno, Sales Manager

📍 Kuraray Europe GmbH, Philipp-Reis-Strasse 4, 65795 Hattersheim am Main, Germany

☎ +49 152 0754 3081 | ✉ ryosuke.ueno@kuraray.com



Lawter

www.lawter.com

Table no.

22

Lawter is a leading worldwide producer of renewable bio based natural rosin products, serving the graphic arts, adhesives, specialty coatings, aroma chemicals, synthetic rubber and bio based demanding industries. Our strength is built on environmental sustainability, resin Innovation and formulating technology. All supported by global production sites and R&D, plus our parent company Harima of Japan.

Contact: Martin Naish, Account Manager

📍 Lawter Europe BV, Ketenislaan 1C – Haven 1520, B9130 Kall, Belgium

☎ +32 35701644 | ✉ martin.naish@lawter.com



Longstone Wax China

www.longstonechina.com/en/

Table no.

47

Established in 2007, Longstone Wax China is specialized in Synthetic Wax, Petroleum Wax, Specialty Wax, Natural Wax, Mineral Wax, and Engineering Plastic. The specific range covers all grades of Fischer-Tropsch Wax, Paraffin Wax, Microcrystalline Wax, Slack Wax, PE Wax, PP Wax, POM etc., with annual sales volume more than 180KT, exporting over 50 countries.

We're authorized distributor and exporter of Future Engery, CHN Energy, Yitai, PetroChina and Sinopetec.

For more product and service information, please visit www.longstonechina.com or contact us directly.

Contact: Huan Wang, Vice General Manager

📍 Longstone Wax China, RM1707, FL17, No.656, Huangpu Avenue (Middle), Tianhe District, Guangzhou, 510665, China

☎ +86 13798042490 | ✉ angelina@longstonechina.com



MAAG Group

maag.com

Table no.

63

The MAAG Group is a broadly diversified global solutions provider with integrated and customizable systems in process technology for the polymer, chemical and petrochemical industries. Its Pump & Filtration Systems, Pelletizing & Pulverizing Systems, Recycling Systems, and Measurement & Control Systems divisions consolidate the many years of experience and in-depth know-how of the AMN, AUTOMATIK, ETTLINGER, GALA, MAAG, REDUCTION, SCHEER, WITTE, XANTEC and SIKORA product brands. The MAAG Group currently employs over 1,900 people at production sites in Switzerland, Germany, France, Italy, the USA, and China. Additional sales and service centers in France, Taiwan, Malaysia, India, Thailand and Brazil ensure close attention to customers' needs. For more information visit www.maag.com.

The MAAG Group is a business unit of Pumps & Process Solutions, a segment of the Dover Corporation.

Contact: Duane Boothe, Product Manager Compounding

📍 Maag Gala, Inc., 181 Pauley Street, Eagle Rock, VA 24085, USA

☎ +1 540 884 2589 | ✉ info@maag.com



MOL Group Chemicals

molgroupchemicals.com/en

Table no.

36

MOL Group Chemicals is part of a backward integrated value chain transforming crude oil into refined products and petrochemicals. We leverage refinery integration benefits, securing feedstock, maintaining a robust financial background, and holding a strong position in the European market. Our goal is to become the first choice of our partners in our core region by leveraging the advantages of our location in Central and Eastern Europe.

MOL Group Chemicals brings decades of experience to the petrochemical industry and offers a competitive portfolio of high-quality products in our core region.

With its largest ever organic investment of EUR 1.3bn, MOL will operate a 200kt capacity polyol complex in Tiszaújváros, Hungary. With a state-of-the-art, energy-efficient technology, built on a fully integrated value chain, MOL Group will be enabled to serve its polyurethane, propylene glycol and propylene oxide customers in a sustainable way with the highest quality products, combined with excellent service. By participating in WAC, MOL Group aims to connect with partners across the adhesives and sealants value chain and showcase its advanced chemical capabilities supporting the industry's future.

Contact: Franco Gabrieli, Polyol Application Segment Manager Rigid&Case EAME

📍 MOL Downstream Ltd., Dombóvári út 28, 1117 Budapest, Hungary

☎ +36 1 209 0000



Neville Chemical Company

www.nevchem.com

Table no.

62

Neville Chemical Company is a leading manufacturer of low molecular weight thermoplastic and liquid resins, with a strong focus on innovative solutions for the adhesives industry. Our portfolio includes C5 aliphatic, C9 aromatic, DCPD cycloaliphatic, and substituted phenol resins, designed to enhance tack, adhesion, cohesion, and overall performance in pressure-sensitive adhesives, hot melt adhesives, and other adhesive applications. Neville is showcasing our novel C5 resin technology, developed from a proprietary blend of aliphatic monomers, which provides a versatile alternative to traditional piperylene-based resins.

Contact: Matthew Brown, Director of Sales and Marketing

📍 Neville Chemical Company, 2800 Neville Road, Pittsburgh, PA 15225, United States

☎ +1 412 335 2011 | ✉ mbrown@nevchem.com



Newport Industries Ltd

www.rosins.eu

Table no.

76

Newport Industries Limited is a niche global distributor of raw materials for the Adhesives and Sealants industries, supplying high-quality resins, polymers and additives worldwide. With warehouses in several countries, including the UK and Netherlands, and strategic sourcing offices in China, Newport provides reliable and competitive global supply.

Newport is ISO 9001 and ISO 14001 certified, operating to high standards of service, traceability and responsible care. We offer a comprehensive range of high quality Resins and Polymers, including the Nuroz, Nures, Nuprene and H-Rez brand names. Suppliers to the Hot-melt, Solvent-based and Water-based Adhesive and Sealant manufacturing industries.

Expert logistic & supply chain management team; ensuring reliable deliveries on time. Qualified, in-house chemists; providing rapid technical response. Sourcing through our strategic offices; allowing our customers to gain a competitive edge on raw material costs. Quality Control management at country of source; a simple solution to purchasing from overseas.

Visit our dedicated website for more info: <https://www.rosins.eu/>

Contact: Andrew Saunders, Sales Director

📍 Newport Industries Ltd, Spencer House, 23 Sheen road, Richmond, TW9 1BN, United Kingdom

☎ +44 2083322519 | ✉ sales@newport-industries.com



WILHELM NIEMANN GmbH & Co. in Melle/Germany has been family run since its foundation in 1889. As manufacturers of premium machines for the paint, coating and chemical industry NIEMANN can look back on experiences of more than 60 years.

Innovations and continuous development have made us the worldwide leading company in the field of dissolver and fine grinding technology. A host of patents and inventions have contributed to boost and expand our market position at home and abroad.

Our products enjoy an excellent reputation worldwide because of our innovative, customer-made solutions and highest quality requirements.

More than 5.700 KREIS-DISSOLVER®, KREIS-BASKET-MILL® and KREIS-DISSOLVER®-BUTTERFLY are already successfully used in almost all countries of the world.

Development, distribution and production are carried out by approx. 175 employees at our site in Melle/Germany. All machines and components are "MADE BY NIEMANN" / "MADE IN GERMANY".

Product range

KREIS-DISSOLVER®

Laboratory and production dissolvers from 2.2 - 315 kW for batch sizes of up to 15.000 litres

KREIS-BASKET-MILL®

Laboratory and production mills from 2.2 - 75 kW for batch sizes of up to 1.350 litres

KREIS-DISSOLVER®-BUTTERFLY

Production butterfly dissolvers for ultra high-viscous products from 15 - 90 kW for batch sizes of up to 1.500 litres

Contact: Mr Christian Diddens

☎ +49-5428-950-144 | ✉ CDiddens@niemann.de

Mr Carlton Humphreys

📍 Boxmoor Golf House, 18a Box Lane, Hemel Hempstead, Herts HP3 0DJ

☎ +44-7967-646341 | ✉ sales@fullbrook.com



Nitto Kasei Co., Ltd.

www.nittokasei.co.jp/index_e.php

Table no.

26

NITTO KASEI was established in 1947 and is the first manufacturer to start industrial production by using the Grignard reaction in Japan in 1958. Since then, for more than half a century, we have been developing technologies and applications for various kinds of tin compounds such as crosslinking catalysts NEOSTANN™ for MS POLYMER™, silicone and polyurethane.

At present, as the biggest comprehensive manufacturer of tin compounds in Japan, considering environmental safety and compliance, we constantly supply numerous high quality and high performance chemical products to the market.

Based upon our accumulated best practices and know-how during longer than 70 years, we have developed non-Tin catalysts with high performance used for sealant & adhesive applications.

Product line-up of catalysts

- Organotin catalysts for MS POLYMER™, silicone and polyurethane
- Non-Tin catalysts for MS POLYMER™
- Inorganic metal catalysts

For more information, please visit our website, www.nittokasei.co.jp/product02_e/.

Contact: Nitto Kasei Co., Ltd., 3-17-14 Nishi Awaji, Higashi

Yodogawa-ku, Osaka, 533-0031, Japan

☎ +81 6 6322 4351 | ✉ meto@nittokasei.co.jp



Nynas AB

www.nynas.com

Table no.

19

Nynas is a leading producer of naphthenic base, process, and transformer oils for use in a wide range of applications and industries. The company's process oils serve as plasticisers in tyres, rubber and TPE materials as well as rheology modifiers in printing inks and carrier oils in antifoam solutions.

The high solvency and purity of Nynas NYTEX® and NYFLEX® grades in combination with excellent health, safety and environmental properties also add special value to many hotmelt adhesive and sealant formulations.

Nynas plasticisers exhibit first-rate compatibility with a wide range of polymers and resins. Their unique properties enable the formulation of stronger adhesives with enhanced cohesion and improved peel strength.

To learn more about how Nynas process oils can create added value for your company, we invite you to visit our table-top stand at the WAC2026 Expo.

Contact: Anna Eriksson, Marketing Manager Naphtenic

☎ Nynas AB, Kabyssgatan 4d, 12030 Sthlm, Sweden

☎ +46 70 6365038 | ✉ anna.eriksson@nynas.com



Omya International AG

www.omya.com/en

Table no.

55

Omya is a worldwide distributor of specialty materials and a leading global producer of essential minerals. Producing a range of natural mineral products from calcium carbonate, dolomite, and per-lite, the Omya Group has 160 plants across the world. With three technical centers, in Switzerland, the US, and Singapore, as well as a network of local laboratories providing innovation, R&D and technical resource, the Omya Group delivers value by providing solutions tailored to the needs of our customers and business partners. Founded in Switzerland in 1884 and privately owned, the Group employs 9,000 people in 50 countries.

Omya Specialty Materials, Omya's global sales and distribution business unit, combines a comprehensive portfolio of pigments, binders, additives and life science ingredients from leading manufacturers with the company's own extensive range of mineral-based products. Focusing on added value, Omya Specialty Materials is unique in providing a worldwide sales network for leading manufacturers and one-stop shop technical solutions for customers.

Contact: Rob Hay, Account Manager Material Science UK & Ireland

📍 Omya UK Limited, Melton Office, Melton Bottom, HU14 3HU North Ferriby, East Riding of Yorkshire, United Kingdom

☎ +44 (7970) 870355 | ✉ rob.hay@omya.com



PCC Rokita SA

www.products.pcc.eu

Table no.

1

PCC Rokita is a leading Central European manufacturer of polyols, prepolymers, phosphorous based flame retardants and other specialty additives.

We produce both polyether and polyester polyols under brands of ROKOPOL® and ROKESTER® respectively.

Our polyols are used in many PU applications from flexible foams thru rigid foam insulation including OCF all the way to PU coatings, adhesives, sealants and elastomers.

We have products also dedicated to OCF. We will be happy to discuss your needs at our EXPO stand Nr 1

Please visit our Product Portal at www.products.pcc.eu

Contact: Julia Trzepacz, Sales Specialist

📍 PCC Rokita SA, Sienkiewicza 4, 56-120 Brzeg Dolny, Poland

☎ +48 667 650 497 | ✉ julia.trzepacz@pcc.eu



PolyU GmbH

www.polyu.eu

Table no.

8

PolyU GmbH – Innovative SMP Solutions for the CASE Industry

PolyU GmbH specializes in the development of innovative Silane modified Polymer (SMP) systems for the CASE industry.

Working in close collaboration with our customers, we design and manufacture tailor-made solutions that meet precise technical and performance requirements.

As a fully integrated member of PCC SE, we leverage the capabilities of our sister companies — including advanced production facilities, specialized personnel, and extensive technical expertise.

At our site in Oberhausen (Germany), a highly qualified and motivated R&D team with in-house laboratory capacities drives both customer-specific optimizations and the creation of new product innovations from scratch.

Contact: Judith Radebner, Managing Director

📍 PolyU GmbH, Otto-Roelen-Straße 3, 46147 Oberhausen, Germany

☎ +49 (0)208 38 76 49 0 | ✉ info@polyu.eu



Rain Carbon Germany GmbH

www.novares.de

Table no.

72

Rain Carbon is a global leader and innovator in the production of chemical feedstock and advanced materials critical to industries around the globe.

At 15 production sites in North America and Europe we turn by-products of the steel and petrochemicals industry into top-quality products, including our Novares® resins and Ruetasolv® modifiers, for manufacturers of aluminum, steel, titanium dioxide, adhesives, coatings, tires and technical rubber goods.

Novares® resins:

Novares resins are thermoplastic hydrocarbon resins based on petrochemical feedstock. The Novares resin portfolio includes a wide range of different monomers, viscosities, modification possibilities and softening points, and has been complemented by hydrogenated Novares® pure resins since 2021.

With state-of-the-art technology, a production site located in the center of Europe and excellent product quality, Rain Carbon entered the market with hydrogenated resins, that are:

- colorless and odorless
- highly compatible with different polymers (hotmelt and waterborne)
- VOC free
- appropriate for food and skin contact
- available in solid and molten form

This comprehensive portfolio makes Rain Carbon a reliable partner for a wide variety of application fields. With innovative product solutions and logistical concepts we can adapt to a large range of individual customer needs.

Contact: Dr. Matthias Heitmann, Director Sales Resins & Modifiers

📍 Rain Carbon Germany GmbH, Varziner Straße 49, 47138 Duisburg, Germany

☎ +49 172 23 39 810 | ✉ matthias.heitmann@raincarbon.com



Respol Resinas SA

www.respol.pt

Table no.

51

Respol Resinas SA is a Portuguese company founded in 1993 and headquartered in Leiria, Portugal. Operating in the rosin derivatives market, Respol exports to more than 40 countries worldwide and is one of Europe's leading rosin upgraders.

The company develops, manufactures, and markets rosin derivatives for a wide range of applications, including adhesives, printing inks, coatings, and road markings, with a production capacity of approximately 45,000 tons per year.

A key strength is its vertical integration — through the acquisition of Forchem Oyj in 2013, Respol secured control over its most critical raw material, rosin. Guided by the motto 'Science from Nature,' the company holds ISCC Plus Certification for its bio-based POLIMELT product line, as well as PEFC and FSC Certifications, reflecting a deep commitment to sustainable, ecological and biobased chemical solutions.

Contact: Sérgio Carreira, Sales Manager

📍 Respol Resinas SA, Estrada das Moitas Altas, 2415-746 Leiria, Portugal

☎ +351 244 850 940 | ✉ sergio.carreira@respol.pt



Risun Polymer

www.risunpolymer.com

Table no.

54

Risun Polymer International Co., Ltd. manufacture new generation Silane Terminated Polymer (STP, Also known as SMP) which combine favorable features of PU and silicon for sealants & adhesives manufacturers who wish to make safer and better quality silane crosslinked products.

The elimination of free NCO, residual TDI and MDI monomer is essential if we are to protect customers from these hazardous chemicals. Our technical team has extensive R&D background in polymer and sealants & adhesives.

As the leading manufacturer in China, Risun Polymer can provide you the total solution with competitive price and excellent service.

If you have any interests in our hybrid polymer, please meet us at our table for further communication.

Contact: Sean Gu, Vice General Manager

📍 Risun Polymer China Co., Ltd, No.9 Zhangzhi Road, Huai'an Industrial Zone, Huai'an City, Jiangsu Province, China

☎ +86 (0) 13770998448 | ✉ sean@risunpolymer.com



ISOPA is the European trade association representing the producers of diisocyanates and polyols, key raw materials used to make polyurethanes. Based in Brussels, ISOPA supports the safe and sustainable use of these substances across the European polyurethanes industry.

Through our product stewardship work, ISOPA promotes high safety, health and environmental standards across the value chain, encouraging best practices in the distribution and use of diisocyanates. As part of this commitment, ISOPA, together with ALIPA and the support of the wider polyurethane industry including FEICA, launched the Safe Use of Diisocyanates training platform.

The digital platform helps companies and professionals meet regulatory training requirements under the REACH Regulation and ensure the safe handling and use of diisocyanates through targeted and multilingual self-eLearning modules, Train-the-Trainer courses, webinars, and more. More information is available at www.safeusediisocyanates.eu.

ISOPA also engages with policymakers at EU and national levels, providing science-based information and data on diisocyanates and polyols. In addition, ISOPA collaborates with the polyurethane value chain to highlight how polyurethanes contribute to energy efficiency, safety, sustainability and innovation.

Through technical expertise, regulatory engagement and collaboration, ISOPA helps Europe's industry operate safely and responsibly.

Contact: Jörg Palmersheim, Secretary General
📍 ISOPA, Rue Belliard 65, 1040 Brussel, Belgium
☎ +32 2 786 35 53



Shandong QL New Materials Co., Ltd is a leading supplier of Hydrocarbon(Petroleum) Resin based on Mainland of China. Headquarter is located in Qingdao, Shandong, a very beautiful seaside port city with culture of open&share. At present Shandong QL New Material is able to supply C5 Hydrocarbon Resin, C9 Hydrocarbon Resin, C5/C9 Copolymer Hydrocarbon Resin, Hydrogenated Hydrocarbon Resin.

The company has got two certifications, ISO 9001 and ISO 14001, and has completed the registration of REACH and K-REACH, as well as the certification of KKDIK, Turkey. Adhering to the integrity of the contract spirit, excellent quality, stable supply, continuous innovation of technology and attention to environmental protection, the company has been recognized and praised by global customers, products are exported to foreign countries and regions.

Contact: Suri Shi, Sales Manager
📍 Shandong QL New Materials Co., Ltd, HeDajunyue International, No. 177, Heilongjiang South Road, Qingdao, Shandong, 266000 Qingdao, China
☎ +86 17615680150 | ✉ suri@qlingmaterials.com



Shanghai Farfly

www.farfly.com

Table no.

40

FARFLY is a professional manufacturer specializing in intelligent mixing, dispersing, grinding, and filling equipment for the adhesive, sealant, coating, ink, and chemical industries.

With years of experience in process engineering and equipment manufacturing, FARFLY provides complete production solutions including high-speed dispersers, reactors, bead mills, vacuum systems, filling machines, automatic conveying systems, and turnkey production lines.

Our equipment is widely used in the production of PU adhesives, silicone sealants, water-based and solvent-based coatings, inks, resins, and specialty chemicals. FARFLY focuses on process optimization, production efficiency, automation, energy saving, and stable product quality.

We are committed to providing reliable equipment, customized engineering solutions, and professional technical support for customers worldwide. FARFLY has exported equipment and production systems to many countries and regions, serving customers across Europe, the Middle East, Asia, and South America.

At WAC 2026, we look forward to connecting with industry partners and discussing innovative solutions for adhesive and sealant manufacturing.

Contact: Krystal Chen, Sales Manager

📍 Shanghai Farfly Energy Technology Co., Ltd, No.407, Tongxie Road, Changning District, 200043 Shanghai, China

📞 +86 18930195606 | ✉ krystal@farfly.com



Smithers

www.smithers.com

Table no.

52

Smithers is your strategic partner for market insights into the adhesives and sealants industry. For nearly 100 years, Smithers has been providing accurate data, on time, with high touch to our clients. Founded in 1925 and headquartered in Akron, Ohio, Smithers is a multinational provider of testing, consulting, information, and compliance services. Backed by proven expertise and deep industry experience, our portfolio of strategic market reports provide you with clarity – and confidence – for the decisions you make.

Drawing on a global network of industry experts, our authoritative market intelligence provides:

- Credible, actionable insights
- Critical analysis of key market drivers, trends, and the competitive landscape
- Expert insight into the emerging markets and technologies that are impacting your industry's future.

Our market consultancy services are the essential resource for all business decision makers. We offer:

- Detailed studies for commercial, technical and market entry studies tailored to your specific business needs
- Unique global market focus with consultancy expertise in market sizing, forecasting, strategic business planning, and due diligence.

To view our latest market reports or to discuss a specific consultancy project, visit us at Stand #52 and speak to Bill Allen, Head of Sales – Europe and Middle East.

Contact: Adam Page, VP Reports

📍 Smithers

📞 +44 (0)1372802113 | ✉ apage@smithers.com

The industrial world demands performance without compromise. At Solstice Advanced Materials, we bring decades of expertise in advanced materials to help our partners innovate and formulate solutions with confidence.

Solstice performance additives are designed to enhance performance, improve processing, and increase the value of your adhesives. Our A-C®, ACumist® and Cohesa® brand polymers help to extend the range of your hot melt adhesives by influencing a variety of different properties, improving cold and high temperature performance and low surface energy substrate adhesion, lowering application temperature, oil migration control all of which helps your adhesives become more competitive. Each additive in our product line is backed by Solstice's consistent quality, customer service, and reliable global supply network. We are the world's leading manufacturers of low molecular weight polyethylene additives. Our technical support team is prepared to help you identify and apply the additives you need for your specific application

Building on this foundation, Solstice continues to advance sustainable innovation with water-based coating solutions designed to deliver functionality without compromise. These advanced technologies enable compostable and repulpable packaging, supporting circular-economy objectives, reducing end-of-life environmental impact, and helping customers meet evolving regulatory requirements.

By combining deep technical expertise, close customer collaboration, and a strong commitment to sustainability, Solstice Advanced Materials delivers solutions that perform today while helping shape a more responsible future.

Contact: Kate Jamieson, R&D Manager

📍 Solstice Advanced Materials, 115 Tabor Rd. Morris Plains, NJ 07950, United States

✉ kate.jamieson@solstice.com



SpecialChem is the material selection platform for adhesive and coating ingredients. With 9 million visits per year, it is where formulators and product developers evaluate and specify materials.

#Formulators & Product Developers:

Access the Master Catalog of adhesive and coating ingredients, updated daily, at no cost and without usage limits. Search, compare, and request samples directly from suppliers.

#Material Producers — two offers:

- Demand capture: Connect with the 6 million active projects that cross SpecialChem each year. Present your solutions to in-target formulators at the point of specification. Introduce new products into the specification cycle with early-stage market exposure.
- Product Master Data: With 25 years of experience structuring product data across the full industry catalog, SpecialChem helps you organize and maintain your product Master Data to enable AI-assisted and digital workflows.

#Distributors:

Capture local demand from formulators searching for supply within your territory, through the Who Can Supply feature.

Contact: Elisa Bonaldi, Global Account Manager

📍 SpecialChem S.A., 1 Cour du Havre, 75008 Paris, France

☎ +33 172 76 39 20 | ✉ elisa.bonaldi@specialchem.com

For over 40 years, we have been pioneering smarter handling of adhesives, sealants, and other viscous materials. Many major players in the industry have already chosen our solution, appreciating the benefits.

Our closed, flexible IBC system protects product integrity from first filling to final discharge. Minimal residual waste. Fewer shipments. No contamination risks from open transfers. And no bulky rigid drums, totes or IBCs to return, recondition, or wash.

For adhesive and sealant producers, that means clean filling, optimized transport, and a logistics model that scales. For end-users, it means consistent product quality and a discharge process that extracts essentially every drop from each Fluid-Bag.

We do not just supply packaging. We engineer solutions tailored to your material, your environment, and your operation.

Stop by our stand and let us talk about what you are handling, and how we can help you handle it better.

Squeeze more, waste less. | squeezesolution.com

Contact: Henrik Kass, Sales & Marketing Director

📍 Fluid-Bag Ltd, Bottenviksvägen 54-56, 68600 Jakobstad, Finland

☎ +358 40 585 2769 | ✉ henrik.kass@squeezesolution.com

Substratec.com – The Smart Database for Adhesive Technology

Substratec.com is the leading database-supported search engine for adhesives, sealants, technical tapes, surface technologies, and dispensing systems. With precise search mechanisms and unbiased result generation, we redefine the selection process for adhesive and coating solutions.

Modern materials and their combinations require increasingly specific bonding solutions, making the search for the right adhesive time-consuming and costly. Substratec.com simplifies and streamlines this process, offering transparency and efficiency.

Our customized system search provides a clear overview of relevant market players, helping businesses find the perfect adhesive technology for their project. Whether for industrial production, research, or specialized applications, Substratec.com is the professional B2B partner for reliable bonding and coating solutions.

Contact: Andreas Reisenzahn, Managing Director

📍 Substratec GmbH, Bluetenstr. 15, 80799 Munich, Germany

☎ +49 17672155262 | ✉ a.reisenzahn@substratec.com

Founded in 1974, Super Bond Adhesives Pvt. Ltd. is one of India's leading manufacturers of high-performance industrial adhesives and specialty bonding solutions. For over five decades, the company has been empowering industries with innovative, reliable, and sustainable adhesive technologies that enhance product performance, manufacturing efficiency, and long-term value.

Headquartered in Thane, Maharashtra, Super Bond has evolved into a globally recognized adhesive manufacturer through its unwavering commitment to quality, continuous innovation, customer-centric approach, and responsible business practices. Today, the company serves a diverse portfolio of customers across India and exports its products to more than 42 countries, earning the trust of leading manufacturers worldwide.

With a strong foundation built on advanced technology, experienced professionals, modern manufacturing facilities, and a dedicated Research & Development team, Super Bond consistently develops innovative solutions that address the ever-changing needs of global industries.

Our comprehensive product portfolio caters to industries including Automotive, Furniture, Woodworking, Mattresses, Packaging, Paper Converting, Book Binding, Footwear, HVAC, Hygiene Products, Construction Chemicals, and several other industrial applications.

Today, Super Bond continues to strengthen its market presence by delivering superior products, customized solutions, and exceptional customer support while maintaining the highest standards of quality, safety, and environmental responsibility.

Contact: Rohan Agarwal, Director

📍 Super Bond Adhesives Pvt. Ltd., 118/119, Vardhaman Industrial Complex, LBS Road, Gokulnagar, Thane (West), 400607 Thane, India

☎ +91 98195203883 | ✉ rohan@superbond.co.in



Tex Year Group, founded in 1976 in Taiwan, is a global leader in eco-friendly adhesive solutions. It specializes in hot melt adhesives and specialty chemicals for packaging, hygiene, electronics, automotive, and construction. With 6 R&D centers and 9 manufacturing sites worldwide, its products are sold in over 100 countries with strong global supply and technical support. Guided by ESG values of 'Green, Safe, and Healthy,' Tex Year actively promotes sustainable development through eco-friendly materials, biodegradable innovations, and responsible manufacturing practices, while continuously investing in advanced technologies to enhance performance and reduce environmental impact.

Contact: Marc Liang, General Manager

📍 Tex Year Europe Sp. z o.o., ul. H. Cegielskiego 3, 62-200 Gniezno, Poland

☎ +48 61 1023956 | ✉ tymarketing@texyear.com



TotalEnergies Fluids

specialfluids.totalenergies.com/en

Table no.

49

TotalEnergies Fluids is a leader in the development, production and sale of high purity, biodegradable hydrocarbon and biobased solvents and plasticizers. Our products are used in wide-ranging applications, such as sealants, adhesives, paints, metal working fluids, cosmetics, vaccines, water treatment, crop protection products, drilling fluids and inks.

Our production sites are located in Oudalle (France) and Bayport (USA) and our sales network covers over 70 countries with dedicated experts.

For more information visit our website.

Contact: Thorsten Bauer, Global Market Manager

📍 TotalEnergies Fluids, 2, Place Jean Millier, 92400 Courbevoie, France

☎ +49 162 1333 799 | ✉ thorsten.bauer@totalenergies.com



Turello SRL

www.turello.net

Table no.

4

Founded in 1975, Turello s.r.l. began by manufacturing industrial sealant machinery and later expanded to designing and building machinery for other industries, including varnishes, inks, and lubricants. The company offers a wide range of products, from individual machines to complete production lines, covering all stages from raw materials storage to final packaging. By providing all necessary equipment for the entire production process, Turello ensures quality and reliability while supporting customers throughout project planning.

Contact: Esther Turello, Manager

📍 Turello SRL, Via dell'Industria 7, 33030 Coseano (UD), Italy

☎ +39 0432 861416 | ✉ esther.turello@turello.net

Uncountable is global organizations' trusted partner whose platform centralizes all R&D data across the organization, reduces new product development timelines and optimizes R&D resources.

World leading organizations such as Sun Chemical, Trinseo, AGC, Sika, Clariant, Syngenta, Beiersdorf, Lesaffre, Mondelēz, Total Energies, Tesa, Meggle and more, choose Uncountable to enhance their R&D efficiency.

Uncountable covers: Formulations, inventory management, ELN and LIMS functionalities, data visualization, reporting, analysis and statistics, AI/ML capabilities, instrument and equipment connectivity and much more. We focus on accelerating R&D via dynamically interconnected project documentation, data acquisition, sample and experimental procedure management, and reporting into one centralized platform, giving a unified view of the R&D lifecycle.

Contact: Tea Pavlek, Event Marketing Manager

📍 Uncountable, Prielmayerstrasse 3, 80335 München, Germany

✉ tea@uncountable.com



Since its foundation in 1985, UTH GmbH from Fulda, Germany, has successfully established itself on the international market, specializing in the manufacture of machines and innovative, customer-specific solutions for the rubber, silicone, adhesive, and sealant industries. UTH's core competencies include roll-ex® Gear Pump Technology for rubber and silicone, as well as Fine Mesh Straining solutions.

Building on the renowned modular roll-ex® Gear Pump System, UTH's extended product range features innovations such as the Polymer Dosing System. This system offers a novel solution for the feeding, plasticizing, and precise dosing of viscous to highly viscous polymers, adhesives, and sealants in continuous mixing processes that demand high dosing accuracy. The Polymer Dosing System ensures a continuous mixing process, uniform and reproducible mixture quality, and high process stability.

The Polymer Dosing System integrates a roll-ex® gear pump with a suitable feeding unit. Depending on the compound characteristics and process parameters, either a screw extruder (SF) or a conical twin-screw extruder (DSE) of an appropriate size is used. The use of the DSE, in particular, enables the processing of raw materials in fewer intermediate steps. This innovative, precise dosing solution guarantees easy handling and simple process integration, making it a standout choice for industry professionals.

Contact: Julia Uth, Chief Technology Officer

📍 UTH GmbH, Eisenhowerstraße 7-9, 36041 Fulda, Germany

☎ +49 661 9741 35 | ✉ juth@uth-gmbh.com

Vermee is your partner for individualised packaging technology for pumpable products – with an expertise of more than 40 years. We provide state-of-the-art adhesive packaging solutions for continuous and automated production systems – from piloting lines to mass-production lines.

Your product requirements set our starting point: Our broad variety of individualised concepts include among others Hotmelt (PSA), PUR Hotmelt, cold-flowing adhesives, continuous polymerisation process technology, 2-component CHUBs (1:10), Sealants, Explosives, etc.

An outstanding Vermee technology reference is the typical hotmelt (PSA) pouch/ CHUB with melt-able flat film! This is our expertise of more than 30 years continuous development. Our fully automated hotmelt system includes standardised hotmelt pouches made of meltable flat film, weight accurate units (up to 1.200g) and exclusion of air-bubbles and water-inclusions with a capacity of 600kg/h – 2.500kg/h.

Our solutions are based on packaging modules with clip (not preformed) or sealed pouches (CHUBs), continuously produced and individualised by a vertical Form-, Fill- and Seal-System (VFFS). Designed either for a single- or complete automated turn-key system.

With Vermee, you are one step ahead! Vermee is partnership with a German family-owned expert, passionate about delivering individualised packaging technology. Multinational corporations as well as international mid-sized companies trust in us.

Contact: Dustin Kerner

© Frans Vermee GmbH, Dieselstraße 8, 53424 Remagen, Germany

☎ +49 1754325708 | ✉ dustin.kerner@vermee.com



LUHUA

**Zibo Luhua Hongjin New
Material Group Co., Ltd.**

www.luhuachem.com

Table no.
25

Luhua is a preeminent company of C5 and C9 raw material processing with an broad range of products in China, which include the distillation products such as isoprene, piperylene and dicyclopentadiene, and the synthetic material products such as C5 resin, C9 resin and hydrogenated resin, as well as fine chemical product as tert-butylamine, based on C4 feedstocks. Luhua has five production plants in China, as well as overseas offices and warehouses in Netherland.

Luhua will further extend the C5 and C9 product line to create an integrated product portfolios based on the upstream and downstream of C5 and C9 raw materials, and provide more high-performance material and sustainable solution for downstream customers to cope with the challenging demands from the industries of adhesives, tire and pharmaceuticals etc.

Contact: Jessie Liu, Sales Manager

© Zibo Luhua Hongjin New Material Group Co., Ltd., 1709 Room, Building A, No.51, Lutai Road, Zhangdian District, Zibo City, Shandong Province, 255000 Zibo, China

☎ +86 138 6932 9819 | ✉ jessie.liu@luhuachem.com

FEICA Members

National Association Members:

	Austria FCIO (Fachverband der Chemischen Industrie Österreichs)	
	Belgium & Luxembourg DETIC (Belgian/Luxembourg Federation of Adhesives & Sealants)	
	Denmark DFL (Danish Coatings and Adhesives Association)	
	France AFICAM (French Adhesives and Sealants Association)	
	Germany DBC (Deutsche Bauchemie e.V.) IVK (Industrieverband Klebstoffe e.V. / German Adhesives Association)	 
	Greece HASC - Hellenic Adhesives and Sealants Cluster	
	Italy AVISA (Gruppo Adhesivi e Sigillanti / Association of the Italian Chemical Industry Federation, FEDERCHIMICA)	
	Poland PZPFiK (Polish Association of Paints and Adhesives Manufacturers)	
	Portugal APCAS (Associação Portuguesa de Colas, Adesivos e Selantes)	
	Slovenia GZS (Adhesives Producers Association of Slovenia / Delovna skupina proizvajalcev lepil)	
	Spain ASEFCA (Asociación Española De Fabricantes de Colas y Adhesivos)	
	Sweden SVEFF (Swedish Paint and Adhesives Association)	
	Switzerland FKS (Fachverband Klebstoffindustrie Schweiz)	
	The Netherlands VLK (Vereniging Lijmen en Kitten)	
	UK & Ireland BASA (The Adhesives and Sealants Association for the UK and Ireland)	

Direct Company Members:



Affiliate Company Members:



About FEICA



The European Voice of the **Adhesive** and **Sealant Industry**

FEICA is the Association of the European Adhesive & Sealant Industry. Adhesives and sealants (A&S) play a crucial role in many of the EU's strategic sectors and are essential enablers of countless everyday products. A&S enhance products' performance, durability and circularity.

With the support of its members and national associations, FEICA voices the interests of the industry in Europe, where 85% of adhesive and sealant companies are SMEs. The association provides regulatory guidance, helps members navigate compliance requirements, and promotes sustainable practices.

FEICA fosters collaboration with industry stakeholders to address shared challenges and to create a mutually beneficial economic and legislative environment.

Join FEICA today and help strengthen your industry

FEICA Secretariat
Rue Belliard 40 box 10
1040 Brussels
Belgium

Phone: +32 (0)2 896 96 00
E-mail: info@feica.eu

Visit our website for more information
www.feica.eu

FEICA Board of Directors 2025-2027

President: Stuart Jenkinson, H.B. Fuller • **Vice-President:** Thomas Schiele, BASF • **Treasurer:** Jean Paul Hautekeer, Dow • **Regulatory & Sustainability Board Chair:** Michael Frank, Henkel • **Direct Company Member Representatives:** Roland Albers, Bostik • Eric Dehasque, Sika • Kathrin Hein, Henkel • Remko Tetenburg, Bolton Adhesives •

National Association Member Representatives: Kathrin Hein (Henkel), IVK Germany • Guido Cami (Industrie Chimiche Forestali), AVISA Italy • Lars Christensen (Dana Lim), DFL Denmark • Christopher Climpson (AdCo), BASA UK & Ireland • Jean-Marc Barki (STIKOIA (Sealock)), AFICAM France

FEICA Secretariat

Secretary General: Kristel Ons • **Director Public & Regulatory Affairs:** Jana Cohrs • **Public & Regulatory Affairs Managers:** Stavroula Genikalioti, Domenico Perone, Maria Pulina • **Senior Communications Manager:** Ina Sufleleers • **Communications & Events Officer:** Gabriele Falsaperla • **Regulatory & Communications Assistant:** Inna Morgun • **Office Manager:** Yanielle Garcia

Organiser

FEICA - The Association of the European Adhesive and Sealant Industry
Rue Belliard 40 box 10
1040 Brussels - Belgium

T: +32 2 896 96 00
E: info@feica.eu
W: www.feica.eu

Conference Secretariat

TCA - Gabriele Hanke
Marienburger Str. 8
40883 Ratingen · Germany
T: +49 2102 66936
E: registration@feica-conferences.com

Event Management

Marion Krämer
Friedrichstrasse 53,
40217 Düsseldorf, Germany
M: +49 172 2661283
E: marion.kraemer@feica-conferences.com
W: www.feica-conferences.com

Venue

The QEII Centre
Broad Sanctuary, London SW1P 3EE,
United Kingdom

Badge Colour Guide



A&S formulator / distributor



A&S equipment or service supplier / consultant



Other



Raw material supplier



Academic / research institute



Association



EU Institution / Authorities



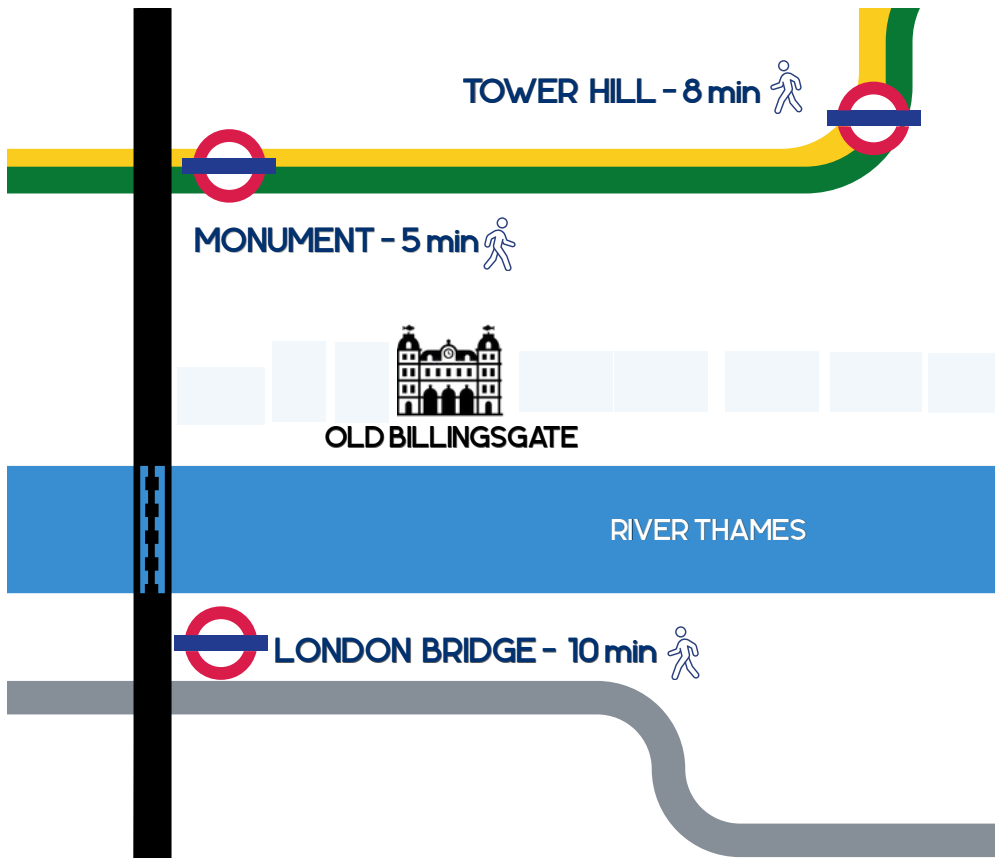
Press



Downstream user of A&S



Accompanying person



WAC2026

A Night in London

Thursday, 17 September 2026 at 19:30
Old Billingsgate - 1 Old Billingsgate Walk, London

Monument and Tower
Hill - Lines:

Circle

District

London Bridge -
Lines:

Jubilee

Northern

The background is a light purple color with large, overlapping, curved geometric shapes in a slightly darker shade of purple, creating a sense of depth and movement.

smart[®] bonds

for a Sustainable and Strong Europe

**THE BONDS BEHIND EUROPE'S
COMPETITIVENESS**

Smart Bonds, a FEICA initiative

Bonded to innovation



Electric vehicles, renewable energy systems, medical devices and many other applications rely on adhesives and sealants to be lighter, smarter and longer-lasting. Through annual investments of around €580 million in research and development, the industry delivers advanced bonding solutions that drive innovation, strengthen resilience and support Europe's strategic independence.

Bonding with nature



From wind turbines to recyclable packaging, adhesives and sealants help extend product life, reduce waste, and enable repair and recycling. By supporting durability, lightweight construction and efficient use of materials, they help cut energy use and associated CO₂ emissions, contributing to a more circular and sustainable future.

Everyday bonding



From the devices that connect us to the homes that shelter us, adhesives and sealants are integral to the products that shape and support daily life. Many of these products rely on adhesives and sealants by design to exist and function as intended. They hold together not just materials, but also the moments and experiences we share, helping to make life safer, easier and more sustainable for everyone.

WAC2026

WORLD ADHESIVE & SEALANT CONFERENCE AND EXPO

Evaluate WAC2026 to
**win a free entry to the
FEICA 2027 in Genova, Italy**

 **FEICA 2027**

15-17 September 2027

**European Adhesive & Sealant
Conference and EXPO**

**Porto Antico Conference
Centre, Genova, Italy**

www.feica-conference.com

SAVE THE DATE



visit



www.wac2026.org/survey

NITTO KASEI CONTRIBUTES TO OUR SOCIETY WITH PRODUCTS LIKE NO OTHER.

SIKA IS PROUD
TO SPONSOR
FEICA 2025

We have developed TOKUJO tin-free catalysts for MS POLYMER™
and 2-ethylhexanoate-free & non-toxic inorganotin catalysts.



Come and visit us in stand no. 26



日東化成株式会社
NITTO KASEI CO., LTD.

