

CONNECT

FEICA NEWS & VIEWS

The European voice of the adhesive and sealant industry



FEICA WEBINAR: 'ADHESIVES AND SEALANTS, ENABLERS OF THE EU GREEN DEAL'

FEICA ORGANISED A WEBINAR ON 14 OCTOBER 2020, WITH THE PARTICIPATION OF MEP MARIA SPYRAKI

The webinar reviewed how our industry supports the EU Green Deal and examined the status of and the potential challenges and opportunities provided by the various pieces of chemicals legislation that will uphold the EU Green Deal. It finished with a thought-provoking panel session.

The event was introduced by Roland Albers, FEICA President, and began with a presentation by Kristel Ons, FEICA Secretary General, who described some of FEICA's activities that help enable a circular economy. She emphasised FEICA's commitment to the EU Green Deal and the key plans that underpin it, but called for realistic objectives and acknowledgement of the industry's efforts to achieve a safe, sustainable, innovative and competitive chemicals industry in Europe.

Legislation 'Should foster future innovation and avoid a disproportionate regulatory burden on low risk substances such as polymers. The regulatory framework must be proportionate, and based on sound science, focused on risk, not hazard.'

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NEW FOUNDATIONS OF SUSTAINABILITY

The next presentation was given by Maria Spyraiki, full European Parliament Member of the Committee on Industry, Research and Energy (ITRE). In her capacity as co-chair of the Intergroup on Climate change, biodiversity and sustainable development, and rapporteur at the Renovation Wave for the Committee on the Environment, Public Health and Food Safety (ENVI), Ms Spyraiki broached 'Understanding the new foundations of sustainability, the Chemicals Strategy for Sustainability, and the Renovation Wave'. She also looked at various initiatives to tackle CO2 emissions from existing structures in building and construction, emphasising that her Committee's first priority is to upgrade the level of protection of consumers and the environment. A summary of her full speech will be available to all FEICA members via the FEICA Extranet mid-November 2020.

The final part of the webinar consisted of a panel discussion, moderated by Phillip Bruce (PJB Chemical Consulting Ltd). The panellists were Kristel Ons, Maria Spyraiki, Erwin Annys (Unit Head at ECHA), Peter Boris Schmitt (Corporate Director, Henkel AG & Co.), Péter Krüger (V.P. Physics, Covestro Deutschland AG) and Christophe Sykes (Director General, CPE).

Discussions ranged from how the transformation to a green economy is taking place, the assurance that innovation in the adhesive and sealant industry will not be overburdened by new measures to guarantee sustainability, and the place of EPDs (Environmental Product Declarations) within the regulatory review of construction products.

INDUSTRY NEEDS TO TACKLE CHALLENGES TOGETHER

The adhesive and sealant industry clearly promotes the EU Green Deal already in significant ways, but there are challenges ahead which the industry needs to tackle together. This is completely in line with FEICA's sustainability vision: 'The adhesive and sealant industry is committed to enabling a growing population to live a better life and to use the planet's resources responsibly and efficiently'.

The webinar showed that the commitment from our industry is strong and that an acceleration in R&D, sustainable energy, and substitutions will be key. 320 registrants joined the event online.

The proceeding of the FEICA webinar are available from the FEICA website via: <https://www.feica.eu/information-center>. A summary is available for FEICA members on the [FEICA Extranet](#).

THE EUROPEAN CHEMICALS STRATEGY FOR SUSTAINABILITY (CSS)

On the same day as the FEICA webinar, the European Commission adopted the EU Chemicals Strategy for Sustainability. CSS is the first step towards a zero pollution ambition announced under the context of the European Green Deal and is available on the European Commission's website here:

<https://ec.europa.eu/environment/pdf/chemicals/2020/10/Strategy.pdf>



THE 2020 FEICA GENERAL ASSEMBLY

THE 2020 FEICA GENERAL ASSEMBLY (GA) TOOK PLACE, VIA VIDEO CONFERENCE, ON 9 SEPTEMBER 2020.

The FEICA GA takes place once a year and is attended by FEICA's membership. FEICA's direct membership has voting rights. The 2020 edition was opened by FEICA President, Roland Albers, who welcomed all members present and introduced the annual report for FEICA. FEICA's Secretary General, Kristel Ons, presented the report for the FEICA Secretariat. A Series of Webinars of high relevance to our members and industry were announced, which will be covered in upcoming issues of FEICA CONNECT. Please see our interview with Kristel on page 5 of this issue of CONNECT for the topics that have already been selected.

The Proceedings of the 2020 FEICA General Assembly are available for FEICA members on the [FEICA Extranet](#).

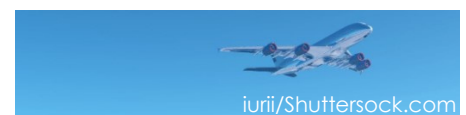
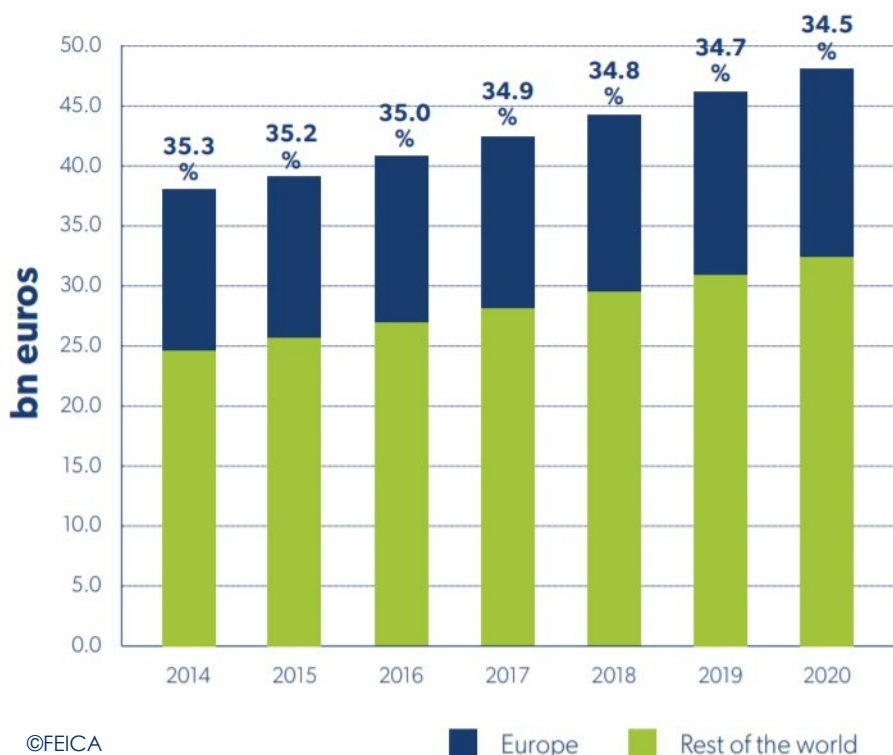
The European Adhesive and Sealant Industry Facts & Figures 2020

At the GA, FEICA took the opportunity to launch the 2020 European Adhesive and Sealant Industry Facts & Figures. These demonstrate that the global market for adhesives and sealants reached a value of 50 billion euros in 2020 with Europe holding a share of almost 35%. Our sector, which represents about 2% of the total European chemical industry's turnover, contributes more than 17 billion euros to the EU economy and employs more than 45,000 people. These figures and more are now available on the [FEICA public website](#).

European Adhesives & Sealants Market 2019-2024

More information about the adhesives and sealants market can be obtained through the FEICA Market Report titled 'European Adhesives & Sealants Market 2019-2024'. The order form and description brochure are available on the [FEICA public website](#).

World adhesive and sealant market 2020 (share)



Click
here for
FEICA
Facts &
Figures

Click here for
Market Report
description
brochure

FEICA CURRENTA TEST METHOD FOR MEASURING FREE MONOMERIC ISOCYANATES IN MIXTURES

Last year, FEICA signed off the Validation Report of the CURRENTA Test Method for the measurement of very low concentrations of free monomeric isocyanate in mixtures. The test is able to accurately measure monomeric diisocyanates in concentrations in the 0.01% to 0.15% range and is the only validated test method available in Europe.

We interviewed Dr Peter Geboes from Soudal to give us an update

Prior to the CURRENTA Test Method, there was no harmonised or validated test method available to determine very low concentrations of free isocyanate in formulations, including challenging matrices. FEICA members recognised the need for a reliable test method for diisocyanates when “self-service” regulations were triggered in France and Germany in 2010 which prohibited consumers from purchasing adhesive, sealant and one-component foam (OCF) products containing diisocyanates in self-service settings because of concerns around their respiratory sensitising properties. However, it was still possible for consumers to purchase these products from a shop assistant over the counter.

FEICA members worked hard to develop and market genuine “low monomeric diisocyanate” products.

Subsequently, a growing number of such products appeared on the market, and it was clear that the labelling of some of these products was not accurate because they contained significantly more monomeric diisocyanates than stated. FEICA and its members were concerned about the potential sensitising effects of these products on people using them and also of the potential harm to the industry's reputation posed by them and the consequent unfair competition. FEICA members looked for reliable methods to test for free monomeric isocyanates but there were none, so they decided to develop a method that would hopefully be acceptable to a wider range of industries.

FEICA'S MONOMERIC ISOCYANATE MEASUREMENT TECHNICAL TASK FORCE

FEICA set up a Monomeric Isocyanate Measurement Technical Task Force (MIM TTF) in 2014.

The MIM TTF was driven by Dr Peter Geboes, pictured, Group R&D Manager, Soudal, and the FEICA Secretary General at the time, Bernard Ghyoot. It included experts from Henkel, HB Fuller, Bostik, Sika, Krimelte, Huntsman, Rathor and Dow.

Rathor is a Swiss developer of PU foam systems, as well as technical aerosols and liquid products which also tests PU foams for their practical functionality and user-friendliness and was asked to liaise with EMPA, the Swiss Federal Laboratories for Materials Science. Bayer liaised with CURRENTA, which had previously been part of Bayer, and which was working on a test method for the measurement of monomeric isocyanates.



According to Dr Geboes, pictured, 'The objective of the MIM TTF was to develop and validate an industry-accepted measurement method to determine the level of free isocyanate monomer in a liquid sample or a finished product - adhesive, sealant or OCF - and thus bring consistency to the market and give our customers confidence in the products they were using.'

Manufacturers can continue to use other familiar measurement methods if they prefer, but in case of disagreement, this CURRENTA - FEICA test method can serve as a third-party reference point to settle any doubt with regard to monomeric diisocyanate content.

Diisocyanates restriction brings added urgency. This issue received renewed emphasis when BAuA, the German REACH Competent Authority (CA), investigated the respiratory sensitising properties of diisocyanates in the workplace. Germany recommended a restriction route proposing mandatory training of workers that would ensure safety in the workplace through the correct handling of diisocyanates.

BAuA sent its REACH restriction dossier on diisocyanates to ECHA in October 2016, and it was adopted by ECHA in December 2017. On 4 February 2020, the REACH Committee voted in favour of the European Commission's proposal for a REACH restriction on diisocyanates. The Restriction was published on 4 August 2020, applying from 24 August 2023 after a transition period of three years. An important point was that the restriction targets products containing more than 0.1% by weight of monomeric diisocyanates.

Developing a robust, validated test

The MIM TTF was aware that ECHA already listed a recommended method for determining diisocyanates. However, this method was not felt to be reliable enough at low concentrations of diisocyanates in complex matrices.

FEICA chose the CURRENTA method as the basis of its method. This test method uses HPLC-MS/MS after derivatisation of the isocyanate groups.

As such it is very accurate for the determination of very low concentrations (in the range of 0.01% to 0.15%) of free diisocyanate (MDI, TDI, HDI and IPDI). A rigorous validation, as well as round robin tests by FEICA member companies, confirmed the accuracy of the test method, its robustness and its reproducibility.

The outcome

In May 2019, FEICA and CURRENTA signed off the validation report for the Test Method, ensuring its reliability and acceptance in the industry. The method is endorsed by FEICA members and all of the National Associations around Europe. FEICA has adopted the method as the most advanced and reliable available to date and it should therefore be the preferred method for the measurement of free monomeric diisocyanate in adhesives, sealants and one-component foams.

The next step will be to explore the potential to transform the method into a CEN standard. The validated 'CURRENTA HPLC-MS/MS CAM-0642303-18E - FEICA Test Method' is now available to be used by industry. Companies interested in having an analysis carried out on their products can contact CURRENTA directly. FEICA member companies benefit from a discount under the FEICA CAM-0642303-18E licence.

In addition, FEICA is trying to get the CURRENTA method acknowledged by ECHA. FEICA received an invitation from ECHA to give input regarding any new analytical methods for the enforcement of REACH Annex XVII restrictions.

Concluding, Dr Geboes said, 'Thanks to the hard work of FEICA members, we now have an accepted, validated test method. The CURRENTA /FEICA test method is the most accurate and reproducible test available. It will help the industry demonstrate its integrity and its commitment to health and safety. It will also ensure that users can rest assured they have access to adhesive, sealant and one-component foam products that meet all the requirements of REACH legislation.' A briefing document is available for FEICA members on the [FEICA Extranet](#).

More information available in the [Press Release](#).

FEICA® 2021

Warsaw, Poland

FEICA European Adhesive & Sealant Conference and EXPO 2021

15-17 September 2021

Warsaw Marriott Hotel



The adhesive and sealant industry's essential event



15, 16 & 17 September 2021

- **Network** with other professionals in the adhesive and sealant value chain.
- **Understand market dynamics**, market trends and emerging economic developments that could impact your business.
- **Tap into your end-users' needs** and learn what downstream users expect from you.
- **Expand your knowledge** of the advances in key technologies and applications from research and development professionals at the cutting edge of innovation.
- **Learn about raw material supply chain trends** and what your equipment suppliers have in store for you.

EXPO

15, 16 & 17 September 2021

The Table Top Exhibition opens on Wednesday 15 September at 15:00 and runs until Friday 17 September at 14:00.

Year-on-year, FEICA attracts 600+ industry leaders to discuss market drivers and trends, innovation, sustainability and technological advancements.

www.feica-conferences.com

MEET FEICA'S NEW SECRETARY GENERAL, KRISTEL ONS

'SUSTAINABLE DEVELOPMENT WILL BE PART OF EVERY COMPANY'S DNA'

New Secretary General, Kristel Ons, is no stranger to FEICA's members, having worked for the Association in a variety of roles since 2009. Kristel succeeded Philip Bruce as Secretary General in June 2020 and CONNECT was keen to get her thoughts on the adhesives and sealants industry, the challenges and opportunities facing it, FEICA's current position, and her vision and priorities for the future.

CONNECT: How do you see the position of the adhesives and sealants industry currently?

KO: We can't talk about the state of the industry without acknowledging the impact of COVID-19 and a looming Brexit. Industrial output is down around the world and since adhesives and sealants are a derived demand, they are also affected. The impact varies from sector to sector, for example, vehicles and construction have been negatively impacted while paper and packaging has seen growth due to the increase in eCommerce and the resulting demand for packaging materials. Having said that, the industry is in a sound position. The global market for adhesives and sealants reached a value of 50 billion euros in 2020, with Europe (comprising Western Europe, Central and Eastern Europe plus Turkey) holding a share of almost 35%. In terms of value, the major end-use sectors for adhesives and sealants in Europe are building and construction with 18.2%, paper and board at almost 30%, and industrial assembly 22.5%. At least half of the products are used in industrial applications.

It is estimated that the adhesives and sealants industry employs more than 45,000 people in Europe. About 470 million euros were spent on Research & Development in 2019. Adhesive and sealant companies spend on average 2 to 3% of their sales on R&D, which is higher than the chemical industry average. So we should be proud of the industry's contribution to society.

Sustainability continues to be a major driver for adhesives and sealants demand. In building and construction there is a growing demand for more eco-responsible materials, thanks to an increasing focus on energy efficiency, retention, and sustainable energy generation. The assembly operations segment continues to grow because of the trend towards automation and digitalisation.



CONNECT: Can you tell us a bit about your vision and priorities for the industry and the Association?

KO: FEICA has a long and proud tradition of working for its member to help them achieve compliance with industry regulations, secure responsible legislation and raise awareness of the significant contribution the adhesives and sealants industry brings to the European and global economy, its contribution to sustainable development and product innovation, and the attractive careers it offers to talented people.

Sustainability and the circular economy will take centre stage, integrated into every aspect of society, the economy and companies. Sustainable development will move away from being 'a box' to be ticked and become fully integrated into the DNA of a company, in a similar way that 'safety' and 'quality' are now seen as a given precondition to do business.

CONNECT: What do you see as the current key priorities for the Association?

KO: We will continue our successful collaboration with related industry groups to create value for our members by making their lives easier, minimising the burden of "doing business" and advocating a level playing field for our industry.

'One hugely important area for the coming years will be the European Green Deal, which focuses on the importance of circular economy policies as part of Europe's objective to transform into a climate-neutral continent by 2050'.

Some of the key initiatives under the EU Green Deal such as the Renovation Wave for Buildings, the Circular Economy Action Plan, the Chemical Strategy for Sustainability, the Industrial Strategy, the Sustainable Product Policy initiative, Strategy for a Sustainable Built Environment, the Zero Pollution Action Plan are very relevant for our sector and will impact our industry and the work of our Technical Working Groups and Task Forces for years to come.

FEICA supports the EU Commission efforts to build the Chemical Strategy for Sustainability based on the deliverables of the chemical industry to secure and protect human health and the environment. At the same time, we call for realistic objectives and acknowledgment of the industry's efforts to achieve a safe, sustainable, innovative, and competitive chemicals industry in Europe.

FEICA's Sustainable Development Agenda focuses on three key areas of progress which will help enable the EU Green Deal: The development of solutions for energy efficiency, the most efficient use of raw materials and the safeguarding of the environment and people's health. I am really excited about our industry's growing capability to make a positive contribution on this critical challenge.



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FEICA's Sustainable Development Agenda focuses on three key areas of progress which will help enable the EU Green Deal: The development of solutions for energy efficiency, the most efficient use of raw materials and the safeguarding of the environment and people's health.

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CONNECT: Are there any tangible results of this approach yet?

KO: Yes, our 'good practice' case studies, available to all on the [FEICA public website](#), demonstrate some of the great innovations by adhesives and sealants companies to enhance the sustainability of our products processes and those of our customers. I intend to build on this good work and bring to life our vision of adhesives and sealants as enablers of a sustainable society.

We have launched a series of webinars to take place in Autumn 2020 and Spring 2021 to demonstrate our progress and highlight the road ahead. The webinars will be open to members and others in the industry. The key objectives are to keep industry stakeholders informed on key topics and open the debate.

On 14 October, FEICA organised a webinar "Adhesives and Sealants, enablers of the EU Green Deal" with the participation of Ms Maria Spyraiki, Member of the European Parliament, Mr Erwin Annys, ECHA, and members of our industry.

The next four webinars scheduled focus on some of the industry's most pressing challenges:

- **A safe future for polyurethanes – Upcoming training and labelling**
- **The Construction Products Regulation review (CPR)**
- **Paper and packaging developments**
- **REACH User Packages and Exposure Scenarios**

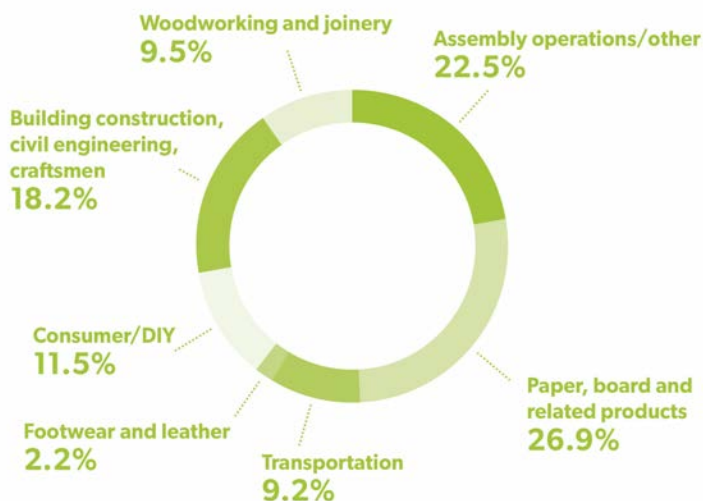
CONNECT: Do you have a final message for companies in the adhesives and sealants supply chain in Europe?

KO: Yes, if ever there was a time to be an active member of an industry association, that time is now!

In this challenging environment I would encourage those companies who are not already members of FEICA, either as a direct company member (DCM) or affiliate company member (ACM), or a national association (NAM) to join.

For more information on membership, you can consult the [FEICA public website](#).

The European adhesive and sealant market 2020 end-use sectors: €17.1bn



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Kristel has been with FEICA for more than ten years, as its Communications and Events Director, responsible for the organisation of the annual FEICA Conference & EXPO, internal and external communication. She was instrumental in the roll-out of FEICA's strategy, and served as Deputy to Philip Bruce for the last four years.

Prior to joining FEICA, Kristel had a successful career in global business development across a range of industries. Kristel holds a Bachelor's in Marketing & Communications, a Postgraduate Diploma in Corporate Finance from the University of Leuven, Belgium, and an Executive Master's in International Association Management from the Solvay Business School. In addition, she is a certified Prince2® Foundation Project Manager.

FEICA AND INDUSTRY'S CONTINUED SUPPORT OF THE EUROPEAN GREEN DEAL

FEICA's sustainability vision focuses on developing solutions for energy efficiency, promoting the most efficient use of raw materials and safeguarding the environment and people's health

The European Green Deal, the new anchor strategy of the European Union, places a central focus on the importance of circular economy policies as part of Europe's objective to transform into a climate-neutral continent by 2050.

The adhesive and sealant industry actively supports the European Green Deal by providing expertise and knowledge, regulatory insights and specific manufacturing innovations, solutions and services. The use of our industry's products in various sectors such as construction, automotive and energy production, contributes to reducing the carbon footprint of an astonishing number of everyday and advanced products and manufacturing processes.

For more information, you can check the dedicated webpage on the FEICA public website via <https://www.feica.eu/our-priorities/sustainable-development>.

RECENT FEICA CIRCULAR ECONOMY-RELATED PUBLICATIONS INCLUDE:

The circular economy

The role of adhesives and sealants



EUROPEAN COATINGS JOURNAL 04 - 2019

The adhesive and sealant industry continues to innovate to become more sustainable. By Dimitrios Soutzoukis, FEICA.



Adhesives and Sealants
Enablers of a sustainable society



TOWARDS A CIRCULAR ECONOMY

Adhesives and sealants, enablers of the EU Green Deal

We are helping make it happen.



Auf dem Weg zur Kreislaufwirtschaft

Dimitrios Soutzoukis
FEICA

PRODUKTLEBENSZYKLUS // DIE KLEB- UND DICHTSTOFFINDUSTRIE STREBT NACH MEHR NACHHALTIGKEIT DURCH INNOVATION.

FARBE UND LACK // 08.2019

FEATURE ARTICLE

www.adhesivesmag.com • June 2020 • ASI



Chemical innovations for a circular economy



Adhesives and Sealants in Support of the European Green Deal

FEICA'S LIST OF GOOD PRACTICE STORIES GROWING STEADILY

Twenty-two FEICA Good Practice stories are now available on the FEICA website, with four stories also available via the EU Stakeholder Platform:

[Adhesives for improved recycling of packaging](#)

[Labelling adhesives for returnable glass bottles](#)

[Recycling of flexible packaging laminates](#)

[Conveyor belt repair and bonding](#)

Adhesives and sealants typically constitute only a small percentage of the final product they are incorporated into. In the majority of applications, adhesives and sealants can play a significant role in enabling the sustainability benefits of a product, particularly in terms of the substrates they are required to bond, the efficiency of the manufacturing process they are used on, the end use of the bonded article, its durability, and the opportunity to recycle the materials used at the end of its useful life.

The list of FEICA Good Practice stories is growing exponentially, with a new story published recently (see below). The Good Practice stories are a FEICA key project illustrating, with examples, how FEICA member companies improve process sustainability and life cycle performance in their operations, to contribute to the circular economy.

The FEICA website has a dedicated '[Good Practice](#)' page, which is constantly updated. FEICA promotes excellence in how our members run their business processes to improve sustainable operations; for example, by reducing energy and water consumption, and reducing emissions to the air, water and soil. Many of our member companies are working on novel solutions to improve process sustainability and life cycle performance and we invite them to send us their stories, which we then share on the FEICA website or via the EU Stakeholder Platform.

Visit the FEICA website to see all FEICA GP stories here: www.feica.eu/information-center/good-practices

Newest addition to the FEICA GP Stories: Recycling PU foam in pressurised containers:



Collection:

Free collection service from 3000 collection points in Germany

Recycling process:

The pressurised containers are mechanically shredded without contact with air. The liquid contents and the metal parts (aluminium and tin) are washed with solvent. The cleaned metal parts are separated. The solvent mixture containing the residual PU material is filtered and separated by distillation into PU prepolymer and solvent. The propellants are extracted and fluidised under pressure. Any plastic parts are separated for use in new plastic production. Picture: PDR Recycling GmbH + Co KG

Adhesives and sealants for sustainable development: Recycling

Recycling PU foam in pressurised containers: The recycling of all residual materials - packaging and chemicals - of used PU foam cans achieved by industry in Germany

FEICA PARTICIPATES IN ASEFCA WEBINAR ON ADHESIVES AND SEALANTS IN THE CIRCULAR ECONOMY

On 23 September 2020, ASEFCA, the Spanish adhesives and sealants association and FEICA National Association Member (NAM), organised a webinar titled 'The Circular Economy and the challenges and opportunities for the adhesives and sealants industry'.

FEICA's presentation was titled 'Adhesives and Sealants, enablers of the EU Green Deal' and was presented by FEICA Regulatory Affairs Manager Dimitrios Soutzoukis.

Dimitris introduced the sector's contribution to the ongoing discussions following the publication of the European Commission Green Deal in 2020. He also discussed the upcoming initiatives and publications of the Green Deal and how the adhesives and sealants industry engages with stakeholders to add to the ongoing discussions.

Finally, the key sustainability role of the sector was presented, highlighting good practices and illustrating how FEICA is adding value to its members, supporting adhesive and sealant producers in Europe on sustainable circular economy developments.



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FEICA'S POSITION ON THE CPR PUBLISHED

In Issue 41 of FEICA CONNECT, we covered the consultation on the future options for the review of the European Commission's Construction Products Regulation (CPR), which closed on 31 August 2020.

Whilst awaiting results from a possible review of the CPR, the Commission has to ensure the continuous working of the standardisation process to safeguard the smooth functioning of the European single market.

FEICA's position on the review of the Construction Products Regulation (EU) No. 305/2011 is now available from the FEICA public website:

<https://www.feica.eu/information-center/all-information-center>



adike/Shutterstock.com

FEICA PUBLISHES POSITION PAPER ON LOW-VOLUME CUSTOMISED POLYMERS AT THE END OF THE SUPPLY CHAIN

Formulators at the end of supply chains such as adhesives and sealants manufacturers often customise polymers, which results in new polymer species

Such customisation is required in order to fulfil technical feasibility and customer requirements as well as regulatory needs. These formulators, which are currently downstream users (DUs) under REACH legislation, may therefore become potential polymer registrants (PRR) in future if the new polymer would be subject to the obligation of registration. The FEICA Position Paper is available on the FEICA website:

<https://www.feica.eu/information-center/all-information-center>

Polymers in the scope of PRR examples

You can check the polymers in the scope of PRR examples presentation and find practical examples that illustrate why customising polymers may result in a huge number of new polymers to be potentially registered.

This document is also available on the FEICA website: www.feica.eu/information-center/all-information-center



STUDY OF THE CIRCULAR ECONOMY AND ADHESIVE BONDING TECHNOLOGY

Fraunhofer IFAM releases study 'circular economy and adhesive bonding technology'

According to the European Green Deal, sustainability should be addressed along the entire value chain. Through its function as a driver of more sustainable developments, adhesive bonding technology enables new, more environmentally-responsible products and applications, as well as improved resource efficiency in many areas.

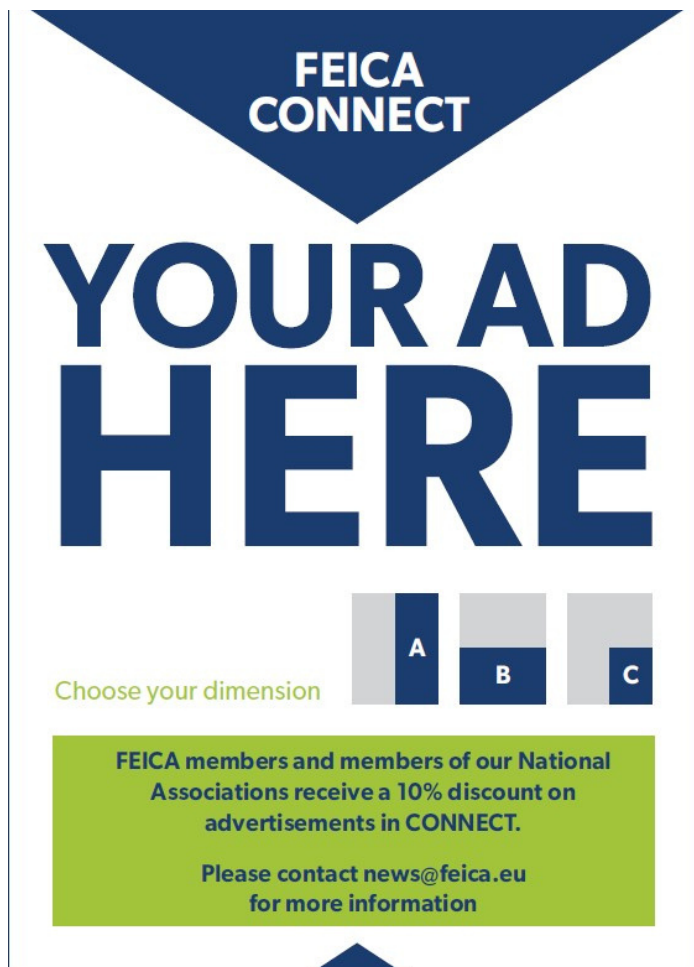
The Fraunhofer Institute for Manufacturing Technology and Advanced Materials (IFAM) published its 'Circular economy and adhesive bonding technology' study, which describes the role of adhesive bonding technology in the context of circular economy and life cycle assessments.

The study can be downloaded from the Fraunhofer IFAM website here: www.ifam.fraunhofer.de

FEICA PAPER WITH PRACTICAL INFO ON TRADE POST-BREXIT

The United Kingdom withdrew from the European Union on 31 January 2020. The transition period provided for in the Withdrawal Agreement applies until 31 December 2020 and EU law continues to apply to and in the UK. Once the transition period is over, Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Regulation (EC) No. 1272/2008 on the Classification, Labelling and Packaging of substances and mixtures (CLP) will no longer apply in the UK.

This paper aims to support adhesives and sealants companies in preparing for the potential effects of Brexit: <https://www.feica.eu/information-center>



The graphic features a dark blue inverted triangle at the top with the text 'FEICA CONNECT' in white. Below this, the words 'YOUR AD HERE' are written in large, bold, dark blue capital letters. Underneath, there are three grey rectangular boxes labeled 'A', 'B', and 'C' from left to right. Below these boxes is the text 'Choose your dimension' in green. At the bottom, a green rectangular box contains the text: 'FEICA members and members of our National Associations receive a 10% discount on advertisements in CONNECT. Please contact news@feica.eu for more information'.

A SAFE FUTURE FOR POLYURETHANE (PU) PRODUCTS AVAILABLE IN 7 LANGUAGES

In Issue 41 of FEICA CONNECT, we introduced the leaflet 'A safe future for polyurethane products'.

On 4 August 2020, a new restriction on diisocyanates was adopted by the European authorities under REACH. The FEICA Technical Working Group (TWG) PU Restriction created the leaflet in order to provide more information for our industry regarding the restriction.

The leaflet has now been translated into German, French, Polish, Italian, Dutch and Spanish.

FEICA, in coordination with ISOPA and ALIPA, the diisocyanate manufacturers' industry associations, is preparing training material for use by its members and by adhesive or sealant users. We expect it to become available as of February 2022, early enough for all users of polyurethane (PU) products to be trained and certified by 24 August 2023. In addition, the legal requirements should appear on packaging as of 24 February 2022.

All the leaflets as well as more information on PU training are available under 'Our priorities' on the FEICA public website: <https://www.feica.eu/our-priorities/safe-use-diisocyanates>



ADVERTISE IN FEICA CONNECT!

FEICA CONNECT, FEICA's quarterly newsletter has a very targeted readership of key industry professionals comprising adhesive & sealants producers, distributors, suppliers and service providers.

CONNECT is sent to +5000 adhesives and sealants professionals and shared via FEICA's Social Media channels.

Click here to access the FEICA Media Kit or contact news@feica.eu.

FEICA members and members of our National Associations receive a 10% discount on advertisements in CONNECT.



FEICA PRESENTATIONS AT TWO UPCOMING ONLINE CONFERENCES

Plastics & Paper in Contact with Foodstuffs

This event will take place from 1-3 December 2020, online, and is designed to equip you with food contact insights whilst remaining compliant despite the ongoing legislative changes and unclear regulations in different countries.

Alexandra Ross, Chair of the FEICA Paper and Packaging Working Group will be presenting on the Industry's role in risk assessment of packaging adhesives: Primary Aromatic Amines, Cyclic Esters and Mineral Oil Hydrocarbons.

You can register at www.smithers.com

More information is available via <https://www.food-contact.com/plastics-paper-in-contact-with-foodstuffs>



Alexandra Ross

Chair, Paper and Packaging Working Group

9th International Akademie Fresenius Conference

This event should have taken place in Cologne (Germany) in June, but has now been set to take place online on 18 and 19 November 2020.

The FEICA presentation, titled 'Risk assessment of cyclic esters in adhesives for food contact applications', will be given by Matthias Frischmann, Migration Testing Expert of the FEICA Paper & Packaging TWG on Thursday 19 November at 13:35. Please click on the link below for the full programme.

The Akademie Fresenius offers a 10% reduction on the conference fee for FEICA members.

To register, see www.akademie-fresenius.com



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FEICA MODEL ENVIRONMENTAL PRODUCT DECLARATIONS (EPDS) SURVEY

In [Issue 41](#) of FEICA CONNECT, we mentioned that a survey was launched in July 2020 as a result of the high number of requests we were, and are still receiving, with regard to the FEICA Model EPDs. The main reason for the survey is that we wanted to learn about user's experiences of them, as well as the areas where we can improve.

The response to the survey was excellent with the vast majority of the participants responding that they could easily identify the appropriate FEICA Model EPD for each one of their products. Respondents to the survey also found that the FEICA Model EPDs were easy to understand. Any comments are of course taken on board!

FREQUENTLY ASKED QUESTIONS (FAQ) ON THE FEICA MODEL EPDS

In addition to responses to the survey, FEICA also receives many general questions regarding the FEICA Model EPDs. To meet the needs of FEICA members seeking information, we have published a 'FAQ section' on the [FEICA public website](#). The FAQ provides important information on the FEICA Model EPDs and is updated on a regular basis.

Please note that the survey remains available on the FEICA public website. Therefore, if you have already used FEICA Model EPDs, but have not yet taken the survey, please do so via:

<https://www.feica.eu/our-priorities/epds>

The validity of the FEICA Model EPDs have been extended by one year due to delays relating to COVID-19. The updated FEICA Model EPDs will now be released mid-2021.

FEICA Model EPDs - Frequently asked questions

? Is there a list of products that are certified according to Model EPDs? +

? What must a FEICA member do when receiving a Model EPD? Are there any further steps that need to be considered when using the FEICA Model EPDs? -

? Do FEICA members simply need to issue a declaration based on the FEICA template as a cover letter for the respective Model EPD? +

? Can the Model EPD declaration, produced by a FEICA member, be used by a third label partner? +

? How should a FEICA member provide customers with a reproduction Model EPD showing the product name and company details? +

? Does the Model EPD system allow the calculation of single substance scores by the users? +

FEICA Model EPDs are only available to FEICA members and members of FEICA National Association Members (NAMs)



THE EUROPEAN COMMISSION RENOVATION WAVE STRATEGY

THE EUROPEAN COMMISSION PUBLISHES ITS RENOVATION WAVE STRATEGY TO IMPROVE THE ENERGY PERFORMANCE OF BUILDINGS

On 14 October 2020, the European Commission released its Renovation Wave Strategy to improve the energy performance of buildings', aiming to at least double renovation rates in the next ten years and make sure renovations lead to higher energy and resource efficiency.

According to the report, investing in buildings can inject a much-needed stimulus in the construction ecosystem and the broader economy. Renovation works are labour-intensive, create jobs and investments rooted in often local supply chains, can generate demand for highly energy and resource-efficient equipment and bring long-term value to properties. By 2030 an additional 160 000 green jobs could be created in the EU construction sector through a renovation wave.

'By 2030 an additional 160 000 green jobs could be created in the EU construction sector through a renovation wave.'

The Renovation Wave Strategy is available for download from the European Commission's website:

https://ec.europa.eu/energy/sites/ener/files/eu_renovation_wave_strategy.pdf

FEICA's input to the European Commission plan to initiate a Renovation Wave was published in July 2020 and is available from the FEICA public website:

<https://www.feica.eu/information-center/all-information-center>

NEW FEICA MEMBER

Avery Dennison Material Europe

Direct Company Member
Willem Einthovenstraat 11
2342 Oegstgeest
The Netherlands

www.averydennison.com



BOOK YOUR EXPO TABLE AT THE FEICA 2021 CONFERENCE

Wednesday 15, Thursday 16, and Friday 17 September 2021

The FEICA EXPO provides an opportunity for all producers, distributors, suppliers and service providers linked to the adhesive and sealant industry to show their latest developments.

The Table Top Exhibition opens in the afternoon of Wednesday 15 September, with no parallel conference sessions scheduled. The EXPO runs until Friday 17 September at 14:00.

The Table Top Exhibition is included in the entrance fee of the Conference delegates.

You can book your table via www.feica-conferences.com

FEICA MEMBER PORTRAITS

Five fascinating facts!

From this issue of CONNECT onwards, we will start introducing members of FEICA, in their own words.

This month, three FEICA members share interesting insights on their company in 'five fascinating facts'.

FEICA company members (not including National Association Members): November 2020

25 Direct Company Members

19 Affiliate Company Members



MEMBER PORTRAIT

Kaneka



Content by Kaneka MS Polymer

1. At Kaneka, we care first and foremost about the **environment and people's safety**.
2. **Sustainability** : Our environmental concern is not only product-related, but is reflected throughout the organisation. Recently a series of investments were made to reduce the carbon footprint of Kaneka Belgium. In the production facilities, a cogeneration unit was installed to reuse the heat of the reaction processes. A research project on the use of biobased building blocks was started. By installing larger storage tanks barge deliveries of raw materials are now possible, which reduced the CO2 emission in our logistics operations. This has led to the receipt of the Lean & Green certificate. Just recently, Kaneka and its logistics partner for bulk deliveries, De Decker-Van Riet, have implemented brand-new LNG trucks, which are powered solely by liquefied natural gas.
3. **Customer partnership through innovation and market knowhow**: Our customers appreciate the high level of technical service given by our specialists. Guideline formulations are made available which will reduce the time-to-market for new products. Extensive lab trainings or assistance during production trials can be organised.
4. **Main market**: The main market for Kaneka MS Polymer™ is high quality adhesives & sealants, as an alternative to silicones or polyurethanes. The application field is very broad, from construction to industrial applications in transportation to DIY.
5. **Advantage of being a FEICA member**: We really appreciate the support from FEICA. Especially the information sharing, follow-up, and knowledge on regulatory affairs are highly valued by Kaneka.

MEMBER PORTRAIT

LANXESS

Energizing Chemistry



Content by LANXESS Urethane Systems

1. **Agile globally operating specialty chemicals company**: We are an established company on the global market with around 14,300 employees, in 33 countries, generating annual sales of € 6.8 bn (2019).
2. **Sustainability**: We focus on sustainable production set-ups and sustainable product solutions (e.g. use of bio-based raw materials) to achieve our commitment to become climate neutral by 2040.
3. More than **60 years of experience** in polyurethane chemistry: We are one of the world's leading supplier to the adhesives and sealants industry with special focus on solvent-free and low monomer systems.
4. **Inventor and first supplier of prepolymers with less than 0.1wt% of monomeric di-isocyanate**: We supply a large range of Low Free MDI, TDI, pPDI, HDI, and IPDI based prepolymers for adhesive and sealant formulations that meet and exceed hygiene, labelling and increasingly strict regulatory requirements. We are committed to leverage our global technical team to develop tailor-made Low Free prepolymers. We operate production facilities and technical centres in all major economic regions, including Brazil, the USA, India, China, Australia, Italy and England.
5. **Advantage of being a FEICA member**: The FEICA membership keeps us up to date about potential developments that affect us and our customers. It enables us to network and exchange on best practices, industry trends and customer requirements, as well as offering exchange and training through seminars and conferences. We have presented at the FEICA Annual Conference over the last few years and appreciate the opportunity this gives us to actively communicate and promote our innovative product solutions into the adhesives and sealants community.

1. **Dedicated to the development of innovative adhesive designs:** The active use of adhesives is becoming a rapidly growing trend in the industrial sector. The advantages of adhesive technology are clear: It is light, clean and above all safe. Thanks to the precise adhesive strength, individual components are bonded efficiently and with unprecedented accuracy, ensuring customers receive the best possible solutions.

2. The Lohmann Tape Group is **headquartered in Neuwied, Germany**, has existed for 165 years, has more than 1,800 employees worldwide, 29 international sites, exclusive sales partners in over 50 countries worldwide and covers the entire value chain of adhesive solutions

3. Lohmann **bonding solutions** can be found in various industrial sectors including Transportation, Building and Construction, Graphics and Medical, Consumer Goods and Electronics, Technical Textiles etc



@lohmann

4. **Responsibility is key:** Ever since its foundation in 1851, Lohmann's corporate philosophy has included assuming social responsibility. Based on the three pillars of ecology, economy and social responsibility, the company is involved at various levels worldwide - in the form of donations and sponsorships as well as through the voluntary commitment of employees. Lohmann has formulated concrete requirements for its actions and implements them on a daily basis, for the joint protection of people and the environment. The company values (Trust, Accountability, Performance, Entrepreneurship, Global Thinking) are anchored in the corporate culture and form the basis of actions. They are laid down in the Code of Conduct and guide everyone at Lohmann in what they do: how they work with their customers and what role they play in society.

5. **Advantage of being a FEICA member:** Dr. Miriam Verbruggen (Regulatory Affairs) is a member of the ETB (European Technical Board) of FEICA on behalf of Lohmann. For Dr. Evert Smit, Director Scouting at Lohmann & President of Afera, the European Adhesive Tape Association, it is important to "hold together" especially in these challenging times: "The world around us is changing at a rapid pace and we need to change with it. Strong partnerships like that of Lohmann and FEICA are the foundation of this. We must not be afraid but open up to current trends and changing situations. If we stand together, we will get through this and can embrace the world of tomorrow." The building in 2015 of the new Technology-Center where "Bonding Engineers" can develop the ideas of tomorrow, is Lohmann's clear "yes" to a sustainable and innovative future,

FEICA CONNECT is the quarterly newsletter of the Association of the European Adhesive and Sealants industry and is published four times a year.

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