



EPOXY EUROPE

NEWSLETTER

Epoxy Europe joins the European Chemical Industry Council (Cefic) to work towards delivering on the EU Green Deal



Epoxy Europe has joined Cefic as a Specialty Chemicals Sector Group to continue building on its existing industry commitment to further enable the achievement of EU Green Deal objectives.

"As Epoxy Europe, we work to be a solution provider for a society in transition. Many fundamental technologies of the European Green Deal rely on epoxy resins. They are for example indispensable in wind, solar, and hydropower production. As an industry, we are committed to support Europe's ambition to be climate neutral by 2050. We are fully aligned with Cefic's conviction that the Green Deal can only be achieved through a strong industry commitment and are very excited to be a part of the Cefic team. We also changed our name to 'Epoxy Europe' to reflect our European nature as well as our commitment to European climate

objectives, and we wanted it to be immediately visible, starting with our name. Rebranding to 'Epoxy Europe' reflects that "

René Hunziker, Chairman of Epoxy Europe

"We are happy to welcome Epoxy Europe as a new sector group. The role of epoxy resins is indeed indispensable for the Green Deal. Whether it is chemistry for solar panels, wind turbines, building insulation or the huge variety of other solutions we provide, our European chemical industry can excel and thrive in delivering its innovation-led contributions to the Green Deal."

Marc Vermeulen, Specialty Chemicals Executive Director at Cefic

Read our full press release [here](#).

EPOXIES AT WORK

MEETING THE CHALLENGE OF CORROSION



Anti-corrosion technologies can deliver savings between \$375 and \$875 billion annually.

Anti-corrosive paints have been used for centuries to protect metal assets from environmental conditions such as rain, moisture, and salt spray. However, rising pollution levels, use of more aggressive chemicals, and wider temperature changes are proving ever more corrosive, and

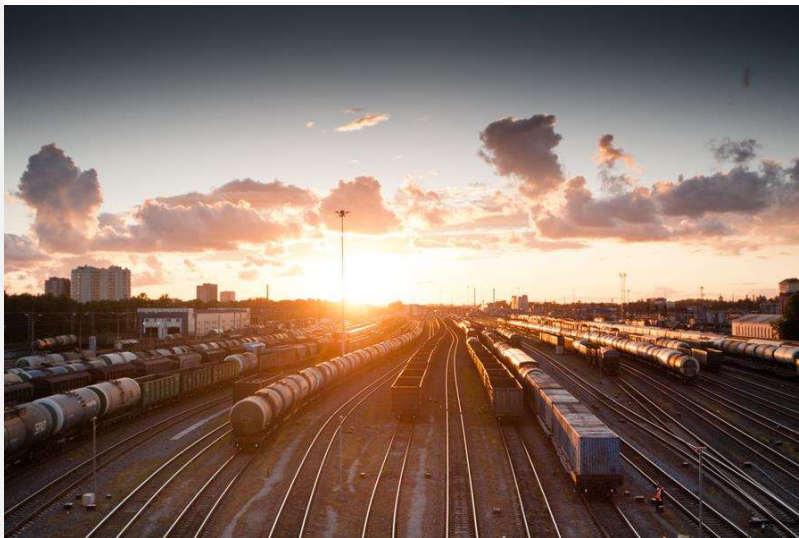
today the market is demanding more from coating manufacturers.

In 2013, NACE (now AMPP: society for protective coatings, USA) estimated the annual global cost of corrosion to be \$2.5 trillion, which is 3.4% of the global GDP (2013). Applying state-of-the-art anti-corrosion paint and other preventive technologies can deliver savings between \$375 and \$875 billion annually.

Discover what's next for anti-corrosive paint on [our website](#).

2021 IS THE EUROPEAN YEAR OF RAIL

THE FUTURE IS RAIL



In the EU, rail is responsible for less than 0.5% of transport-related greenhouse gas emissions. This makes it one of the most sustainable forms of passenger and freight transport. Despite these advantages, only about 7% of passengers and 11% of goods travel by rail. The European Year of Rail, an European Commission initiative, will create momentum to help increase rail's share of passenger and freight transport. This will cut the greenhouse gas emissions and pollution coming from EU transport significantly, making a huge contribution to the EU's efforts under the European Green Deal.

Epoxy resin systems for rail components reduce the weight of trains. Reduced weight lowers initial inertia, allowing higher speeds to be achieved quickly and efficiently. This also has the potential to reduce track load, decrease wear and lower trackside maintenance costs. Epoxy-based composites also prevent the fire spreading and build an insulation layer by foaming and forming a carbonic char. In addition to their intumescent function, they provide excellent abrasion resistance and corrosion protection and enhance thus the durability of railway equipment.

Epoxy resins are key to achieving the Commission's vision for rail development and its objectives of a climate neutral Europe .

Latest news and events around the European Year of Rail can be found [here](#).

BPA MEASUREMENT METHODS



We recently uploaded on our [website](#) two standard operating procedures (SOP) developed by Solvias that describe quantitative test methods for the determination of Bisphenol-A (BPA) in liquid and solid epoxy resins by liquid chromatography-mass spectrometry (LC/MS). The specific mass of Bisphenol A is measured in the selected ion monitoring mode (SIM -mode).

Method 1: [SOP C52.S1593_02](#) ; method used to determine Bisphenol-A in different BPA-epoxy resins (liquid).

Method 2: [CSOP-0724 01](#) ; method for the determination of Bisphenol-A in solid epoxy resins by LC/MS.

DID YOU KNOW?



**€42,8
billion**

Europe invested **€42,8 bn** in new wind farms, the second highest amount on record despite the COVID 19 pandemic (source: [WindEurope](#)).

In the wind sector, composites made from epoxy resins and reinforcing fibres have become a standard component of large-sized windmill rotor blades and are also used in smart grids and turbine insulators.

**5,1
million**

E-bikes sales have more than doubled in key European markets during the pandemic. In total, **5,1 million e-bikes** were sold in Europe last year (source: [Statista](#)).

Epoxy resins not only make some e-bike frames featherweight and rigid, they are also used for potting (DC-DC converters) and encapsulation of the battery box, leaving no concern of water, dust or snow damage.

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