

PRESS RELEASE

Number 5

European Coatings Show 2025

WACKER presents resource-saving silicone sealant for natural stone applications.

Munich, February 19, 2025 – The WACKER Group is showcasing its new silicone sealant ELASTOSIL® eco 7770 P at the European Coatings Show 2025. Developed for construction and sanitary applications, the condensation-curing product is especially suitable for natural stone applications. The sealant's special features include high resistance to mold and mildew combined with a low fungicide content and a very-low-emission classification in accordance with the guidelines of the German Association for the Control of Emissions in Products for Flooring Installation (GEV). ELASTOSIL® eco 7770 P is manufactured in a resource-efficient manner. It is the first silicone sealant that WACKER is offering exclusively as an eco-product. The European Coatings Show will be held in Nuremberg, Germany, from March 25 to 27, 2025.

ELASTOSIL® eco 7770 P is a one-component formulated, almost odorless compound that cures to a low-modulus elastomer with high elastic recovery when exposed to air humidity. Alcohol is split off by the condensation reaction during cross-linking. The sealant adheres to almost all materials commonly used in the construction industry and does not require primed surfaces. The product is weather resistant, equally suitable for indoor and outdoor applications, and can also be used on marble, metals, and other sensitive surfaces.

WACKER applied a distinctive formulation concept in the manufacturing of ELASTOSIL® eco 7770 P. Based on a special non-volatile silicone softener, it is formulated such that it cannot penetrate the pores of natural stone like marble, granite or sandstone. This means that the natural stone substrates adjacent to the joint are not hydrophobized. The natural stone remains spot- and flawless.

The sealant formulation also contains a patented silane-based cross-linking system that results in a modified surface structure. The cured product has a smooth surface to which no mold can adhere. As a result, the use of fungicides can be limited to around one hundredth of the amount normally used in standard sanitary sealants.

With the crosslinking system and the special plasticizer, WACKER also ensures that only very small quantities of volatile compounds can escape from the sealant during application. Due to its extremely low emissions, which mark the limit of what is technically feasible, the new sealant has been awarded EC 1 plus classification in the EMICODE classification system of the Association for the Control of Emissions in Products for Flooring Installation (GEV).

WACKER uses biomethanol in the formulation of ELASTOSIL® eco 7770 P. In addition, all fossil raw materials used in production are 100 percent offset by sustainably certified biomass. The new silicone sealant is certified in accordance with the REDcert² standard, which ensures traceability throughout the entire manufacturing process – from the manufacture of upstream products to the ready-to-use sealant.

Visit WACKER at the European Coatings Show 2025 from March 25 to 27 in Hall 1, Booth 1-206.



The silicone sealant ELASTOSIL® eco 7770 P is one of the many product highlights WACKER will be showcasing at the this year's European Coatings Show. Biomethanol is used in production, which saves on fossil resources. (Photo: WACKER).







Thanks to a special silicone softener, ELASTOSIL® eco 7770 P does not penetrate the pores of marble, granite or natural stone. The natural stone remains flawless. (Photo: WACKER)

Please note:

These photos are available for download at:
<http://www.wacker.com/pressreleases>

This press release is one of several press briefings that WACKER will be issuing with regard to ECS 2025. Further press releases on new products that WACKER will be presenting at ECS 2025 can be found at www.wacker.com/pressreleases.

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The Company in Brief:

WACKER is a global company with state-of-the-art specialty chemical products found in countless everyday items, ranging from tile adhesives to computer chips. The company has a global network of 27 production sites, 22 technical competence centers and 48 sales offices. With around 16,400 employees, WACKER generated annual sales of around €6.4 billion in fiscal 2023.

WACKER operates through four business divisions. The chemical divisions WACKER SILICONES and WACKER POLYMERS supply products (silicones, polymeric binders) for the automotive, construction, chemical, consumer goods and medical technology industries. WACKER BIOSOLUTIONS, the life sciences division, specializes in bioengineered products such as biopharmaceuticals and food additives. WACKER POLYSILICON produces hyperpure polysilicon for the semiconductor and photovoltaic industries.