

PRESS RELEASE

Number 6

2025 EUROPEAN COATINGS SHOW

WACKER's innovative polymer resin binders based on renewable energies present customers an opportunity to reduce their carbon footprint

Munich, February 26, 2025 – WACKER is all set to unveil its VINNOL® solid resins portfolio at the 2025 European Coatings Show. The special focus within the product family will be on the polymer binder VINNOL® H 15/45 M (Renewable Energy). As energy from renewable sources is used to generate the electricity required for manufacturing the product, VINNOL® H 15/45 M (Renewable Energy) thus has a lower product carbon footprint (PCF) in contrast to its conventional VINNOL® counterpart. VINNOL® H 15/45 M (Renewable Energy) does not in any way deviate from the properties of the conventional grade. The product displays excellent metal adhesion and is suitable for applications in sectors such as heat-sealing, industrial coatings and printing inks. The European Coatings Show (ECS) will be held in Nuremberg, Germany, from March 25 to 27, 2025.

The binder is the film-forming component of any printing ink or coating. In colored formulations, it encloses the pigment particles and fixes them to the substrate. Through its VINNOL® portfolio of products, WACKER offers an extensive range of polymer resins that

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perform this very task in many application areas. VINNOL® resins are available in three main product categories: VINNOL® resins without functional groups, VINNOL® resins with carboxyl groups and VINNOL® resins with hydroxyl groups.

As innovative technologies and new processes emerge, though, the requirements of the printing inks and coatings industry keep changing. For this reason, WACKER works continuously on developing its VINNOL® resins. Industrial manufacturers and retailers are focusing more on offering products that are more environmentally compatible. WACKER is all in favor of this shift and supports it with binders that are manufactured using energy from renewable sources, the aim being to reduce the product carbon footprint (PCF) of the finished products.

Already on the market for several years, WACKER's VINNOL® H 15/45 M, a copolymer of vinyl chloride and vinyl acetate containing carboxyl groups, is mainly used as a binder for heat-sealing coatings, industrial coatings and printing inks. It provides excellent adhesion on both metal surfaces and polar substrates such as PVC and PET. As VINNOL® H 15/45 M is virtually odorless, tasteless and also possesses excellent resistance to water and chemicals, it is ideal for the safe packaging of food or pharmaceuticals. Easy processability of the product, high resistance of the coatings to grease, oil, alcohol, water and salt, as well as a high degree of toughness and long-term flexibility open up a wide range of applications.

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WACKER now also markets its product as a more environmentally compatible version under the trade name VINNOL® H 15/45 M (Renewable Energy). The product is manufactured using electrical energy generated from renewable energy sources, as verified and certified by the technical inspectorate TÜV Rheinland. The use of renewable energy sources helps reduce the product's carbon footprint (PCF value) by 19%. Furthermore, at least 80% of the renewable energy used in the production process is generated in Central and Western Europe, while the remaining 20% is acquired from neighboring regions. VINNOL® H 15/45 M (Renewable Energy) retains, without exception, all the tried-and-tested properties of VINNOL® H 15/45 M. The only difference between the two grades is that VINNOL® H 15/45 M (Renewable Energy) has a lower carbon footprint.

For more information and product samples, visit WACKER at ECS 2025 (March 25 to 27, 2025) in Nuremberg, Hall 1, Booth 1-206. For detailed information on our VINNOL® product portfolio, visit us at [VINNOL® vinyl chloride co- and terpolymers – Wacker Chemie AG](#).



VINNOL® H 15/45 M provides excellent adhesion on both metal surfaces and polar substrates such as PVC and PET. As the product is virtually odorless, tasteless and also possesses excellent resistance to water and chemicals, it is ideal for the safe packaging of food or pharmaceuticals. Under the trade name VINNOL® H 15/45 M (Renewable Energy), WACKER now also markets its product as a more environmentally compatible version aimed at reducing the carbon footprint. (Photo: WACKER)

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Notes:

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

This article is one of several press releases from WACKER on ECS 2025. For further press releases on new products from WACKER that will be presented at ECS 2025, go to [Press releases – Wacker Chemie AG](#).

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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.