

PRESS RELEASE

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Preview European Coatings Show 2017 WACKER Presents Silane-Terminated Binder for the Impregnation of Cementitious Flooring

Munich, March 1, 2017 – WACKER, the Munich-based chemical group, will be presenting an innovative binder for the impregnation of cement-bound substrates at the 2017 European Coatings Show. Marketed as SILRES® BS 6920, this low-viscosity binder based on the Group's alpha-silane technology can be processed into ready-to-use impregnating agents and thin coatings for concrete and flowing-screed floors. It provides flooring with excellent stain protection and has a color-intensifying effect. The dirt-repelling action of formulations based on SILRES® BS 6920 makes them far superior to conventional impregnating agents. What is more, the solvent-free binder is easy to process. The European Coatings Show will be held April 4 to 6 in Nuremberg, Germany.

SILRES® BS 6920 is an alpha-silane-terminated polyether that cures on contact with moisture. Its chemical structure has been optimized to achieve low viscosity. As a result, the binder penetrates deep into the pores of a cement-bound floor, filling the pores completely and forming a thin, shiny film on the surface. After the binder has cured, everyday substances containing water or oil are unable to enter the pores. The new binder therefore offers highly effective stain protection. Even substances that are left on the surface for some time can be removed without any lasting stains.

Impregnating agents based on SILRES® BS 6920 are usually applied twice. The first coat applied strengthens the floor. A second produces a homogeneous surface that increases scratch and scrub resistance and makes the floor polishable. To accelerate curing, SILRES® BS 6920 is usually formulated with an aminofunctional silane that also ensures good adhesion to cement-bound substrates. It is possible to walk on or drive over the floors about twenty-four hours after treatment.

SILRES® BS 6920 offers formulators considerable flexibility. Its low viscosity makes solvent-free processing possible, although a solvent may be added if required. Formulators can use pigments, reinforcing fillers and matting agents to broadly vary the properties of their end products. These ready-to-use, one-part end products can be applied using a mop, roller or airless spray gun. Transparent formulations intensify the color of the substrate and accentuate the grain of the stone. The binder has a high flash point, so no special precautions need be taken.

Impregnating agents based on SILRES® BS 6920 are suitable for treating cement-bound floors in industrial, commercial and private residential buildings. Such flooring can be installed in parking garages, car repair shops, train stations and logistics centers, as well as in showrooms, restaurants, event and convention centers, and museums. The treated floor is easy care and simple to keep clean. Red wine, coca cola, coffee, mustard, ketchup and engine oil stains or tire marks can be wiped off easily.

**Visit WACKER at the European Coatings Show 2017 in Hall 1,
Booth 1-510.**



WACKER, the Munich-based chemical company, is presenting an innovative binder for the impregnation of cement-bound substrates at the European Coatings Show. Tests have shown that SILRES® BS 6920 offers substrates effective protection against even stubborn stains. Even after several hours, red wine, coffee and oil can be wiped off without leaving any stains (photo: Wacker Chemie AG).

Note:

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<http://www.wacker.com/pressreleases>

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The company in brief:

WACKER is a globally-active chemical company with some 17,000 employees and annual sales of around €5.3 billion (2015). WACKER has a global network of 25 production sites, 22 technical competence centers and 50 sales offices.

WACKER SILICONES

Silicone fluids, emulsions, rubber and resins; silanes; pyrogenic silicas; thermoplastic silicone elastomers

WACKER POLYMERS

Polyvinyl acetates and vinyl acetate copolymers in the form of dispersible polymer powders, dispersions, solid resins and solutions

WACKER BIOSOLUTIONS

Biotech products such as cyclodextrins, cysteine and biologics, as well as fine chemicals and PVAc solid resins

WACKER POLYSILICON

Polysilicon for the semiconductor and photovoltaic industries

Siltronic

Hyperpure silicon wafers and monocrystals for semiconductor components