

PRESS RELEASE

Number 18

MIDDLE EAST COATINGS SHOW 2010: WACKER Presents Sustainable Polymeric Building Materials and Silicones for the Coatings, Construction and Adhesives Sectors

Munich/Dubai, March 29, 2010 – At the Middle East Coatings Show (MECS) in Dubai from March 29 to 31, 2010, the Munich-based WACKER Group will present sustainable product solutions from its coatings, construction and adhesives areas of expertise. Spotlighted under the slogan “Inspired By Excellence,” the products will range from solvent-free silicone resins, through silicone resin emulsions for heat-resistant or water-based coatings, to environmentally-friendly dispersions for low-odor interior paints. WACKER will also present dispersible polymer powders for flexible sealing slurries and for energy-efficient exterior insulation and finish systems (EIFS).

WACKER's highlights at this year's MECS include its innovative VINNAPAS® products – dispersible polymer powders, dispersions and solid resins based on vinyl acetate/ethylene (VAE) copolymers and terpolymers. They are used in a variety of modern construction and coating applications.

VINNAPAS® VAE Dispersions: Odorless, Solvent-Free Decorative Paints

VINNAPAS® dispersions based on vinyl acetate/ethylene (VAE) copolymers are ideal for environmentally-friendly, decorative paints. They are free of plasticizers and solvents, and are extremely low in

formaldehyde and volatile organic compounds (VOCs). On the one hand, certain VINNAPAS[®] VAE dispersions are ideal for the formulation of odorless indoor paints. On the other, special VINNAPAS[®] dispersions based on vinyl acetate/ethylene/vinyl chloride terpolymers are excellent binders for decorative outdoor paints.

VINNAPAS[®] Dispersible Polymer Powders: Innovative Binders for Modern Construction and Coating Applications

With VINNAPAS[®] polymer powders, end products display enhanced processability, good adhesion to all substrates, greater flexibility and flexural strength, and improved weather resistance. These advantages make VINNAPAS[®] ideal for modern construction and coating applications, such as sealing slurries for sewers, pipes and basements, and as an additive for energy-efficient EIFS. VINNAPAS[®] polymer powders do not contain plasticizers or film-forming aids, and therefore have low emission levels.

VINNAPAS[®] Solid Resins: Polyvinyl Acetate for Coatings and Adhesives Applications

Due to their excellent adhesion to various substrates, such as wood, cardboard and metal, VINNAPAS[®] solid resins are the binders preferred by manufacturers of solvent-based adhesives. VINNAPAS[®] can also be used to formulate primers for metallizing packaging or modifying NC coatings. The product range covers homopolymers and copolymers in various viscosities and delivery forms.

Further WACKER Product Highlights at MECS 2010**▪ SILRES® IC 232 for Long-Lasting Coatings**

SILRES® IC 232, an alkoxy silicone resin intermediate, gives organic binders outstanding resistance to heat and weathering. It is used in the production of siliconized polyester, alkyd, epoxy and acrylic resins. SILRES® IC 232 is notable for its especially high reactivity and so, when it comes to speed, offers its users clear advantages when formulating their binder systems. One possible application is in coil coatings for outdoor use.

▪ SILRES® MP 50 E: Water-Based Silicone Resin Emulsion

Concern about the environment has increasingly led to the replacement of solvent-based paints with water-based ones. When doing this, it is crucial that the positive characteristics of the binder are not compromised. Here, SILRES® MP 50 E, a silicone resin emulsion, conforms to regulations of leading institutes, such as the U.S. Food and Drug Administration (e.g. FDA 175.300). It is now possible to create a water-based silicone resin coating that, when fully hardened, is suitable for kitchen appliances, cooking utensils and grills.

▪ SILRES® HP: Silicone-Resin-Based, UV-Resistant Coating Systems for Protection Against Corrosion

The new SILRES® HP product line is another of WACKER's innovations. It combines the usual advantages of silicone resins, such as excellent weathering resistance, with the ability to cure at room temperature as a two-component system. Coating systems modified with SILRES® HP are resistant to solvents. They are also more resistant to, and better protected from, aggressive UV radiation,

corrosion and chemicals. These systems are mostly used for such applications as bridges and industrial plant parts, which have to endure heat, intense sunlight and moisture.

▪ **SILRES® BS: Silicone-Resin and Silane-Based Coating Systems for Effective Masonry Protection**

SILRES® BS silicone resin emulsion paints rank among the most advanced facade coating systems. The reason for their huge success is the good marriage between the outstanding properties of mineral and synthetic-resin-bound paints. These properties include excellent water-vapor permeability, extremely low water absorption and exceptional durability. SILRES® BS products are innovative, environmentally-compatible ingredients for the production of water-repellent masonry coatings, and construction chemicals and materials, such as concrete, gypsum plasterboards and insulation materials.

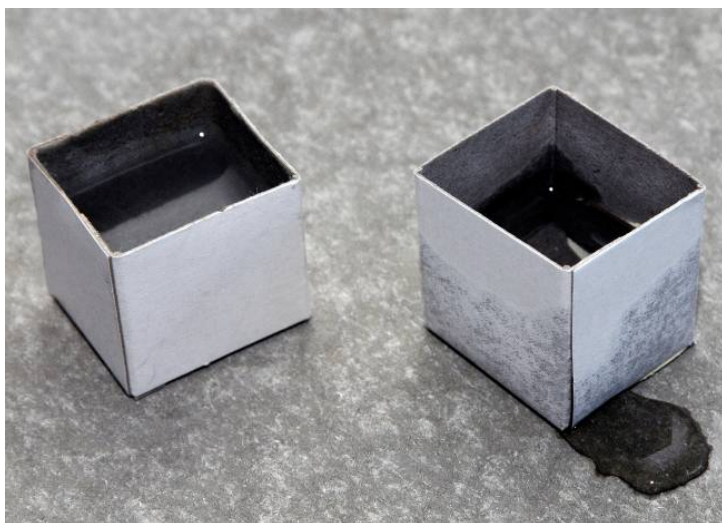
▪ **VINNOL® Surface-Coating Resins: Versatile Binders for Industrial Coatings and Printing Inks**

VINNOL® is WACKER's brand name for a broad range of copolymers and terpolymers based on vinyl chloride and vinyl acetate. Integrating functional groups makes for specific properties such as excellent adhesion to metal and plastic, outstanding pigment wetting and curability. VINNOL® resins are primarily used in solvent-based coatings and printing inks. All VINNOL® grades can be combined with each other, allowing the formulation to be customized, e.g. for gravure, inkjet and screen printing inks or for coatings on metal or metallized substrates in heat-sealing packaging applications. Further applications include plastic coatings, wood varnishes and adhesives for fittings.

▪ **HDK® Pyrogenic Silicas – Complete Flow Control of Both
Liquid and Powder Coating Materials**

WACKER's pyrogenic silicas (HDK®) are ideal for imparting thixotropy, for reinforcing coating materials, printing inks, adhesives and sealants, for controlling powder flow and for many other applications. In the formulation of low-solvent coatings (high solids), such as for automotive coatings, and of solventless and water-based systems, HDK® permits reliable control over coating thickness and leveling. It also improves the systems' storage stability by effectively preventing pigment and filler sedimentation. In clear coats, HDK® ensures high transparency.

**Visit WACKER at the Middle East Coatings Show 2010 in Hall
S1/S2, Booth G5.**

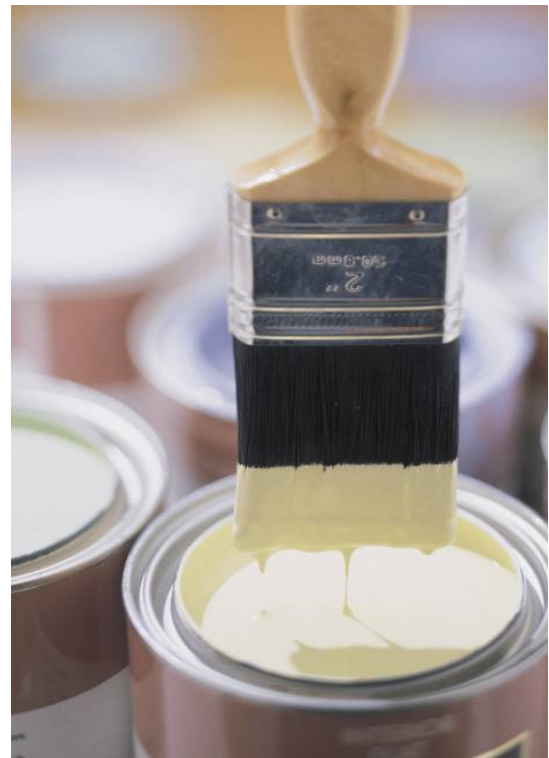


VINNAPAS® modified sealing slurries (left box) provide strong and long-term protection against water leakage or damage due to water penetration, unlike conventional formulations (right box). These properties make them ideal for application in baths and pool/spa facilities, in basements or as coatings for pipes and sewers (photo: Wacker Chemie AG).



The SILRES® MP 50 E silicone resin emulsion newly developed by WACKER SILICONES is ideal for formulating heat-resistant, water-based coatings for household and kitchen applications (photo: Wacker Chemie AG).

Special VINNAPAS® VAE dispersions are ideal for environmentally-friendly and low-odor decorative paints. They are free of plasticizers and contain an extremely low amount of formaldehyde and volatile organic compounds (VOCs) (photo: Wacker Chemie AG).





Highway bridge in Dubai, impregnated with WACKER's SILRES® BS 290. The treatment affords the bridge lasting protection against environmental influences (photo: Wacker Chemie AG).

Note for editors:

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

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The company in brief:

WACKER is a globally-active chemical company with some 15,600 employees and annual sales of around €3.7 billion (2009).
WACKER has 26 production sites and over 100 sales offices worldwide.

WACKER SILICONES

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

WACKER POLYMERS

Polyvinyl acetate and vinyl acetate copolymers in the form of dispersible polymer powders, dispersions and solid resins used as binders for construction chemicals, coatings, adhesives, paints, plasters and nonwovens

WACKER BIOSOLUTIONS

Biotech products, such as cyclodextrins, cysteine and biologics, furthermore fine chemicals and polyvinyl acetate solid resins

WACKER POLYSILICON

Polysilicon for the semiconductor and photovoltaics industries

Siltronic

Hyperpure silicon wafers and monocrystals for semiconductor devices