

# PRESS RELEASE

Number 8

## INTERLAKOKRASKA 2010 WACKER Presents Silicone Products for Sustainable Coating Applications

**Munich, January 29, 2010 – At INTERLAKOKRASKA 2010, the Munich-based WACKER Group will present itself with the slogan “Inspired by Excellence.” The focus is on sustainable product solutions for the coatings industry, including new solvent-free silicone resins and silicone resin emulsions for heat-resistant or water-based coatings. INTERLAKOKRASKA 2010 takes place from March 9 to 12 in Moscow, Russia.**

One of the product highlights WACKER will show at INTERLAKOKRASKA is SILRES® IC 232. It is a new alkoxy silicone resin intermediate which imparts superior resistance to heat and weathering to various organic binders. It is used for the production of siliconized polyester, alkyd, epoxy and acrylic resins. SILRES® IC 232 is notable for its especially high reactivity and, when it comes to speed, offers its users clear advantages when formulating their binder systems. One possible application for SILRES® IC 232 is for exterior coil coatings.

Concern about the environment has led increasingly to the replacement of solvent-based paints with water-based ones. When doing this, it is crucial that the positive characteristics of a binder not be compromised. SILRES® MP 50 E heralds the availability of a silicone resin emulsion that conforms to international standards such as regulations issued by the US Federal Drug Administration (e.g. FDA 175.300) and the German Federal Agency for Risk Assessment (BfR,

XV.Silicone). It is now possible to create a water-based silicone resin coating that, when fully hardened, provides a surface coating suitable for kitchen appliances, cooking utensils and grills.

**SILRES® HP: Silicone Resin-Based, UV-Resistant Coating Systems Protect Against Corrosion**

SILRES® resins are specialty polysiloxanes that serve as binders or hardeners for paints and surface coatings. The new SILRES® HP product line combines the usual characteristics associated with silicone resins, such as excellent weathering resistance, with the property that it can already cure at room temperature, as a two component system. Coating systems modified with SILRES® HP are resistant to solvents, and are more resistant to and better protected from aggressive UV radiation, corrosion and chemicals. They are mostly used for applications which have to endure heat, intense sunlight and moisture, e.g. bridges and roofs, coated containers and pipelines, industrial coatings, marine paints and automotive paints.

**SILRES® BS: Silicone Resin Emulsion Paints for Effective Facade 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 include excellent water-vapor permeability, extremely low water absorption and exceptional durability. SILRES® BS products are innovative, environmentally-compatible raw materials for the production of water-repellent masonry coatings, construction chemicals and materials.

**HDK<sup>®</sup> Pyrogenic Silicas – Complete Control of the Flow of Liquid and Powder Coating Materials**

Pyrogenic silicas from WACKER (brand name: HDK<sup>®</sup>) are ideal for controlling viscosity and powder flow, for reinforcing coating materials, printing inks, composites and adhesives, as well as for many other applications. In the formulation of low-solvent coatings (high solids), such as for automotive coatings and solventless and water-based systems, HDK<sup>®</sup> pyrogenic silicas offer selective control over coating thickness and leveling. Moreover, HDK<sup>®</sup> pyrogenic silica improves the storage stability of the systems by effectively preventing pigment and filler sedimentation. In clear coats, HDK<sup>®</sup> pyrogenic silicas ensure high transparency.

Visit WACKER at INTERLOKAKRASKA 2010, Booth L600.



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).

Note:

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**The company in brief:**

WACKER is a globally active chemical company with some 15,900 employees and annual sales of around €4.3 billion (2008). WACKER has 27 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 FINE CHEMICALS**

Fine chemicals, PVAc solid resins, biologics and other biotech products such as cyclodextrins and cysteine

**WACKER POLYSILICON**

Polysilicon for the semiconductor and photovoltaics industries

**Siltronic**

Hyperpure silicon wafers and monocrystals for semiconductor devices