

# PRESS RELEASE

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## WACKER Presents Novel VAE Dispersion for Environmentally Friendly, Low Cost Packaging Adhesives

**Munich, February 8, 2010 – WACKER, the Munich-based chemical group, is expanding its existing range of vinyl acetate / ethylene-based (VAE) dispersions for adhesives with a novel product specifically developed for the requirements of the paper and packaging industry. The new product – VINNAPAS® XD 05 – is a cost-effective and sustainable alternative to existing packaging adhesives based on polyvinyl acetate (PVAc). In adhesive formulation, a VAE-based product makes it possible to reduce the amount of extra additives. The product is also characterized by high setting speed and good machine processability. This makes VINNAPAS® XD 05 ideal for formulating packaging adhesives, which are especially suitable for food applications due to the extremely low migration potential. The new product thus further advances WACKER's position as market and technology leader in the field of VAE dispersions.**

WACKER's new VINNAPAS® XD 05 line, an aqueous dispersion based on vinyl acetate and ethylene, offers exceptional adhesive characteristics for paper and packaging applications. The packaging industry has traditionally used adhesives based on polyvinyl acetates as binders. Due to the comparatively high raw materials and development costs, VAE-based dispersions were seldom used or

only when higher application requirements made it necessary.

Thanks to the improved manufacturing process, the new VINNAPAS® XD 05 technology now provides a VAE product that is tailored to the demands of the packaging industry, and which at the same time exhibits an outstanding cost/benefit ratio.

Adhesives formulated with VINNAPAS® XD 05 have very good adhesion and cohesion, a high setting speed and good machine processability. A further benefit of VINNAPAS® XD 05 is that additional additives such as plasticizers can be eliminated in the formulating of adhesives. This both simplifies formulation and increases manufacturing productivity. Additionally, it means that the product meets the latest environmental and safety standards, offering a sustainable, future-proof solution.

The dispersion, which was created for adhesives in the low-price segment, is ideally suited for adhesive applications in the paper and packaging segment such as food packaging, cartons and boxes, corrugated paper, envelopes, paper bags and sacks.

As one of the founders of VAE technology, WACKER POLYMERS has over 70 years' experience in this field, and is today a global market and technology leader in the area of VAE dispersions for adhesives.

#### **About WACKER POLYMERS**

WACKER POLYMERS is a leading producer of state-of-the-art binders and polymer additives in the form of dispersible polymer powders and dispersions, polyvinyl acetates, surface coating resins and polyvinyl alcohol solutions. These products are used by companies in the construction, automotive, paper and adhesives

sectors, as well as by manufacturers of printing inks and surface coatings. WACKER POLYMERS has production sites in Germany, China and the USA, as well as a global sales network and technical centers in all major regions.



Testing of the seal bond strength: the new VINNAPAS® XD 05 is characterized by high setting speed and viscosity, very good machine processability and excellent mechanical properties. It also complies with the latest environmental and safety standards (photo: Wacker Chemie AG).



Lab-testing heat stability: the novel dispersion VINNAPAS® XD 05 is subject to intense testing at WACKER's research and application laboratories in Burghausen, for example with regard to the thermal stability of the adhesive bond (photo: Wacker Chemie AG).

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

**For further information, please contact:**

Wacker Chemie AG  
Media Relations & Information  
Nadine Baumgartl  
Tel. +49 89 6279-1604  
Fax +49 89 6279-2604  
[nadine.baumgartl@wacker.com](mailto:nadine.baumgartl@wacker.com)

**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