

PRESS RELEASE

Number 50

28. PTS COATING SYMPOSIUM 2017: **WACKER Presents a New Binder for Rotogravure Coatings**

Munich, September 5, 2017 – The WACKER Group is introducing a novel binder for coated paper at the PTS Coating Symposium 2017 in Munich: VINNAPAS® EF 3101 is a vinyl acetate-ethylene-copolymer (VAE) dispersion that has been developed specifically for rotogravure paper coatings. The binder has a high level of compressibility and develops a high degree of smoothness, enabling superior print quality. The dispersion complies with the EU ecolabel requirements for graphic paper and different food contact regulations. That makes VINNAPAS® EF 3101 particularly suitable for coatings on paper for high-end magazines, catalogs, books and packaging. The PTS Coating Symposium takes place at the Leonardo Royal Hotel in Munich from September 5 to 6.

The new dispersion VINNAPAS® EF 3101 has been developed for demanding paper coatings, specifically for high-quality printing by the rotogravure process. This new binder, based on vinyl acetate-ethylene copolymers (VAE), offers a range of performance properties that, until now, has only been possible with alternative systems.

With a glass transition temperature (T_g) of 0°C, VINNAPAS® EF 3101 is a very elastic and flexible dispersion. This offers a very high compressibility that enables good ink transfer from the plate cylinder

onto the paper. Moreover, the new binder provides the coating with good calendered sheet gloss and high opacity. Surfaces coated with the new binder facilitate a clear, sharp print image with bright colors and good ink gloss. VINNAPAS® EF 3101 further shows similar rheology behavior to alternative binders such as styrene acrylics and styrene-butadiene latexes.

The new product can be readily formulated into a coating color with existing ingredients and applied using conventional paper coating methods. Furthermore, VINNAPAS® EF 3101 is manufactured without the use of alkylphenol ethoxylate (APEO) surfactants. It complies with several eco labeling standards, such as the EU Ecolabel for graphic paper, as well as the food contact regulations of the German Federal Institute for Risk Assessment (BfR Recommendations XIV and XXXVI) and the US Food and Drug Administration (21CFR176.170/180).

“Our novel binder VINNAPAS® EF 3101 shows excellent application and performance properties and thus complements WACKER’s broad portfolio of VAE dispersions,” says Dr. Peter Tkaczuk, Strategic Marketing Manager for Paper applications at WACKER POLYMERS.

VINNAPAS® EF 3101 is therefore an ideal binder for rotogravure paper coatings where high print resolution and long-lasting quality are required. These include high-quality magazines, illustrated books and high-resolution graphic paperboard packaging.



Proofs printed on coated papers: the newly developed VINNAPAS® EF 3101 confers excellent print images (photo: Wacker Chemie AG).

Note:

This photo is available for download at:

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

For further information, please contact:

Wacker Chemie AG
Media Relations & Information
Verena Roithmeier
Tel. +49 89 6279-1671
verena.roithmeier@wacker.com
www.wacker.com
follow us on:   

The company in brief:

WACKER is a globally active chemical company with some 13,450 employees and annual sales of around €4.6 billion (2016, excluding Siltronic). WACKER has a global network of 23 production sites, 19 technical competence centers and 49 sales offices.

WACKER SILICONES

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

WACKER POLYMERS

Polyvinyl acetate and vinyl acetate co- and terpolymers 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