

TEGO® Dispers 1010 – Lowest viscosities for high quality inkjet printing

A new type of dispersing additive from Evonik's Resource Efficiency Segment has been specially developed for low polarity ink systems – with a special focus on ceramic inks. Even at high pigment loading, TEGO® Dispers 1010 delivers low viscosities, thus making a major contribution to the efficient manufacture of ceramic inks. The solvent-free, liquid dispersing additive with 100% active substance content is easy to handle and dose.

TEGO® Dispers 1010 allows for the production of low-viscosity inkjet inks with Newtonian flow characteristics. Small particle sizes, obtained by efficient grinding, result in maximum color intensity, while narrow particle size distribution ensures inks with easy filterability. Sedimentation of all pigment types is suppressed despite the low viscosity and allows ink systems to achieve long shelf life.

“The product exhibits broad compatibility and can be easily combined with co-additives, such as TEGO® Dispers 656, to achieve a desired yield point,” states Dr. Anna-Maria Hofmann, director global of marketing for inks & new applications.

“Combination with further dispersing additives also permits the compatibility of non-polar solvents, such as hydrocarbons, to be adjusted to that of polar solvents. A true all-rounder – also suitable for use with organic pigments and carbon blacks!”

Other TEGO® Dispers wetting and dispersing additives can be used in combination to promote the performance of TEGO® Dispers 1010. More information is available on request from digital-printing-inks@evonik.com.

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Specialized Press Contact Europe
Thomas Lange
Coating Additives
Phone +49 201 173 3050
thomas.lange2@evonik.com

Specialized Press Contact Americas
Jacek Gediga
Coating Additives
Phone +1 804 727 0670
jacek.gediga@evonik.com

Specialized Press Contact Asia
Ariel Fang
Phone +86 21 6119 1505
ariel.fang@evonik.com

Evonik Resource Efficiency GmbH
Rellinghauser Straße 1-11
45128 Essen
Germany
Phone +49 201 177-01
Telefax +49 201 177-3475
www.evonik.de

Executive Board
Dr. Claus Rettig, Chairman
Dr. Johannes Ohmer, Simone
Hildmann, Alexandra Schwarz

Registered Office: Essen
Registered Court: Essen Local Court
Commercial Registry B 25783
VAT ID no. DE 815528487



High quality digital print on tiles to give the appearance of wood

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and supplies high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 8,600 employees, and generated sales of around €4.3 billion in 2015.

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization. Evonik benefits specifically from its innovative prowess and integrated technology platforms.

Evonik is active in over 100 countries around the world. In fiscal 2015 more than 33,500 employees generated sales of around €13.5 billion and an operating profit (adjusted EBITDA) of about €2.47 billion.

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