

BYK-DYNWET 810

Silicone-free substrate wetting agent for aqueous wood and furniture coatings, printing inks, overprint varnishes, and inkjet inks. Low foam stabilization. Reduces the dynamic surface tension and is especially suitable for fast running machines.

Product data

Composition

Alcohol alkoxylates

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C): 0.98 g/ml

Active substance: 100 %

Storage and transportation

Separation or turbidity may occur during storage or transportation at temperatures below 0 °C.

Special note

BYK-DYNWET 810 is readily biodegradable according to OECD 301F.

Applications

Coatings industry

Special features and benefits

The additive reduces the dynamic surface tension in aqueous wood and furniture coatings, and therefore improves the substrate wetting. It is particularly recommended for high-speed applications.

Recommended use

Wood and furniture coatings	<input checked="" type="checkbox"/>
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☒ especially recommended ☐ recommended

Recommended levels

0.5–2 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

To improve the substrate wetting, the additive is added to the finished system. A slight foam formation may be observed when using BYK-DYNWET 810.

Printing inks and inkjet inks




Special features and benefits

The additive reduces the dynamic surface tension in aqueous systems and therefore enhances the substrate wetting. It is particularly recommended for high-speed applications.

BYK-DYNWET 810 improves droplet formation (jettability) in aqueous inkjet inks when printing.

When added to the millbase, it reduces the viscosity when grinding the pigment, increases gloss, color strength, and transparency, and reduces flooding/floating in pigment blends.

Recommended use

Printing inks	
Overprint varnishes	
Inkjet inks	

 especially recommended  recommended

Recommended levels

0.5–2 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

To improve the substrate wetting, the additive is added to the finished system. To improve the pigment grinding, the additive is added to the millbase. A slight foam formation may be observed when using BYK-DYNWET 810.



BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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This issue replaces all previous versions.