

This product was previously marketed as ADDITOL® XL 270. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

Electroneutral wetting and antisettling agent

FORM OF DELIVERY (f.o.d.)

low-viscous liquid

Active substance

approx. 55 %

PRODUCT DATA

Determined per batch:

Iodine Colour Number DIN 6162

iodine colour number <= 18

Non-Volatile Matter DIN 55671

non-volatile matter [%]
(150 °C; 10 min) 43 - 46

Not continually determined:

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter [%]
* 43 - 46
(1 h; 125 °C; 1 g)

Colour / Appearance VLN 250

colour brown
appearance clear

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³]
approx. 0,91
(20 °C)

Flash Point DIN EN ISO 1523

flash point [°C]
approx. 26

SPECIAL PROPERTIES

Prevents the sedimentation of pigments in paints. Improves the pigment-wetting during dispersion. In many paint systems the floating of pigments in pigment-mixtures is prevented. The tendency to flow off is reduced and the covering of edges is improved.

Suggested for all solvent based and solvent-free paint systems.

SUGGESTED USES

Suitable for radiation curing systems.

ADDITOL® XL 270 DISP additive is usually compatible with solvent based and solvent-free binders. It prevents the sedimentation of pigments in paints. The rheological character of paints is improved. The tendency to flow on vertical surfaces is reduced. The edges of substrates are better covered in case of dipping application.

The drying of oxidatively drying systems is not influenced by ADDITOL® XL 270 DISP, if the appropriated dose is used. Also the efficiency of siccatives in paints, stored for a long time, is not reduced using the ADDITOL® XL 270 DISP additive.

Considering anti-corrosive paints, there is no corrosion-resistance loss by using the ADDITOL® XL 270 DISP additive. It is recommended to be used for the activating of organophile bentonites and it improves the effect of pyrogene silica.

PROCESSING

ADDITOL® XL 270 DISP additive can be added in any stage of the paint production. We especially recommend the addition during pigment dispersion.

Amounts of 0.1 - 2.0 % on pigments and fillers may serve as a guide. These are standard values, the most effective dose must be found by experiments.

Standard formulation for the activation of bentonite:

80 - 87 parts xylene or white spirit

10 parts bentonite

10 - 3 parts ADDITOL® XL 270 DISP

100 parts

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

A slight turbidity of ADDITOL® XL 270 DISP is possible, which however does not negatively influence the quality of the paints produced with ADDITOL® XL 270 DISP.

* Note

The non-volatile matter content of a product is not an absolute quantity but depends upon the temperature and period of heating used for the test. Consequently, when using this method, only relative and not true values for non-volatile matter content are obtained owing to solvent retention, thermal decomposition and evaporation of low molecular mass constituents. The method is therefore primarily intended for testing different batches of the same type of product.

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