

ADDITOL® XL 280

TYPE

Fluid, anti-settling paste with wetting properties for pigments, based on a specially modified montmorillonite clay

FORM OF DELIVERY (f.o.d.)

pasty liquid

Active substance

approx. 36 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (Brookfield) DIN EN ISO 2555
dynamic viscosity [mPa.s] \geq 5500
(5; 20 1/min; 23 °C)

Non-Volatile Matter DIN EN ISO 3251
non-volatile matter* [%] 30 - 33
(1 h; 125 °C; 1 g)

Not continually determined:

Colour / Appearance VLN 250
colour light beige

Density (Liquids) DIN EN ISO 2811-2
density [g/cm³] 0,97
approx.
(20 °C)

Flash Point DIN EN ISO 1523
flash point [°C] 43
approx.

SPECIAL PROPERTIES

As a flow- and pumpable paste Additol XL 280 prevents settling and improves wetting of pigments in solvent- and waterborne paints systems. Additol XL 280 improves paint stability.

SUGGESTED USES

Additol XL 280 is a highly effective additive for all industrial finishes. The easy handling of this material, owing to its favourable rheological properties, saves material and manufacture costs and simplifies the dosage.

Difficult dispersible pigments and extenders are more easily and rapidly wetted and stabilized by the action of Additol XL 280. The rheological properties of the coating are favourably affected leading to less tendency to run-off on vertical surfaces and improving edge coverage in dip coating.

PROCESSING

In most cases, the addition of 5 - 10 % Additol XL 280, based on pigment, is sufficient to prevent completely the pigment settlement. It is recommended to add the Additol XL 280 before the milling stage in order to obtain an optimum effect. In the case of later introduction, the effectiveness should be checked by preliminary trials.

STORAGE

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

Additol XL 280 should only be stored in tightly-closed, plastic or internally coated metal containers.

DISTINGUISHING FEATURES

Additol XL 280 shows the advantage over Additol XL 270, in the case of specific very high density pigments, of prevention in the tendency of the pigments to settle on storage of the coating.

* 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.

DIN EN ISO 3251 (09/95, page 2)

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