

This product was previously marketed as ADDITOL® XL 203. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

Silicone-containing cationic antifloating, wetting and dispersing agent

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 40 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity
(100 1/s; 23 °C)

[mPa.s] 30 - 120

Iodine Colour Number DIN 6162

iodine colour number

<= 20

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter
(1 h; 125 °C; 1 g)

[%] 38,5 - 41,5

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density
approx.
(20 °C)

[g/cm³] 0,98

Flash Point DIN EN ISO 1523

flash point
approx.

[°C] 63

Appearance

brown, clear liquid

SPECIAL PROPERTIES

High pigment loading without increase in viscosity.

Reduction of dispersing time.

Enhances gloss and levelling.

For air drying and stoving solvent-borne paints and particularly for water dilutable paint systems.

SUGGESTED USES

ADDITOL® XL 203 DISP additive prevents the floating of titanium dioxide in conjunction with organic or inorganic coloured pigments. It can be employed in solvent-borne and water dilutable air drying and stoving paint systems.

ADDITOL® XL 203 DISP enhances gloss and levelling of paint films. Pigment loading of paints and pigment pastes can be increased without rises in viscosity. Dispersion time is reduced.

The recommended level may range from 0.1 to 1.5 % on total paint. Level on pigments: inorganic pigments: 0.5 - 2.5 %, organic pigments: 1.5 - 5 %.

The figures given here may serve as a guide for extensive trials to find the optimum in dosage and effect and to save costs.

Since ADDITOL® XL 203 DISP is a cationic product it should not be used in conjunction with certain anionic products. Phase separation occurs and ADDITOL® XL 203 DISP additive becomes ineffective at once. The compatibility should be determined by experiments. ADDITOL® XL 203 DISP additive can be combined with cationic and non-ionic products.

PROCESSING

ADDITOL® XL 203 DISP additive should be milled together with the pigments in order to obtain the full effect.

STORAGE

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

DISTINGUISHING FEATURES

In difference to ADDITOL® XL 204 DISP, ADDITOL® XL 203 DISP is a cationic-active antifloating agent and can be used in solvent- and waterborne paint systems. It is not recommended for acid curing paints.

