ADDITOL® XW 390

TYPE

Flow and wetting agent without silicone addition for waterborne coating systems

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 50 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity 40% MP (25 1/s; 23 °C)	[mPa.s]	350 - 520
pH-Value DIN ISO 976 pH-value (10 %)		8,0 - 9,5
Non-Volatile Matter DIN 55671 non-volatile matter (150 °C; 10 min)	[%]	48 - 52

Not continually determined:

Colour / Appearance VLN 250 colour appearance		cless-yellowish clear
Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	48 - 52
Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm³]	1,04
Flash Point DIN EN ISO 1523 flash point approx.	[°C]	50

SPECIAL PROPERTIES

Additol XW 390 prevents flow defects in all waterborne coating systems and promotes substrate wetting. There is no effect on the recoat adhesion.

SUGGESTED USES

Additol XW 390 can be applied in all commonly used air-drying and stoving, waterborne coatings systems, especially in alkyd/melamine stoving coatings, air-drying alkyd resin coatings, phenolic resin coatings and epoxy resin coatings.

Application-related film defects, in the case of roller, spray and dip-coating, such as craters, poor flow and variable wetting of the substrate due to dirt are effectively prevented with Additol XW 390. In most cases, with the addition of Additol XW 390, there is no problem in rewetting the coating film.

PROCESSING

Additol XW 390 can be added in any stage of coatings manufacture but preferably however in the pigment dispersion. The effectiveness of Additol XW 390 is already strongly shown at levels between 0.1 - 1.0 % based on binder.
In special cases, however, a higher dosage may be required. The most favourable amount should always be determined by preliminary trials.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

The colour of Additol XW 390 can become somewhat darker on storage. The colour change of Additol XW 390 on storage does not influence the results.

DISTINGUISHING FEATURES

Additol XW 390 suppresses more effectively the tendency to cratering in paint films than Additol XW 395 does and particularly at very low film thicknesses.

5.0/30.03.2017 (replaces 4.0/17.09.2013)