

TYPE

Fluorine modified levelling agent and substrate wetting agent for waterborne paint systems, without silicone addition

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 57 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	1000 - 3500
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pH-Value DIN ISO 976

pH-value (10 %)		8,0 - 9,5
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Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 10 min)	[%]	48 - 52
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Not continually determined:

Colour / Appearance VLN 250

colour appearance		pale yellow clear
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter * (1 h; 125 °C; 1 g)	[%]	48 - 52
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,06
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	46
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SPECIAL PROPERTIES

Additol VXW 6214 prevents in all waterborne paint systems levelling disturbances and promotes due to its excellent wetting effect the spreading performance of the paint on all substrates.

SUGGESTED USES

Additol VXW 6214 may be used in all air and stove drying waterborne paint systems.

Film disturbances during applying by roller coater, spraying and dipping, like craters, defective levelling and variable wetting of the substrate are effectively prevented by Additol VXW 6214.

Based on its reactive groups Additol VXW 6214 is in baking paints incorporated into the paint film and does not impair the recoatability and intercoat adhesion.

PROCESSING

Additol VXW 6214 can be added at any stage of the paint production, preferably however during the pigment dispersing.

Added quantities: 0.2 - 1.0 %, calculated on solid binder.
The most favourable quantity should always be determined in pretrials.

STORAGE

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

The colour of Additol VXW 6214 may during storage get darker. However the effectiveness is not impaired.

DISTINGUISHING FEATURES

Additol VXW 6214 is, in comparison to Additol XW 390 and Additol XW 395, especially well suited for externally emulsified waterborne alkyd resin emulsion paints and distinguishes itself by a better substrate wetting.

During production of waterborne paints on the basis of externally emulsified alkyd resin emulsions Additol VXW 6214 exhibits a better wetting effect than Additol XW 390 and Additol XW 395. It is also a better wetting agent for the substrate.

*** Note**

The non-volatile matter content of a product is not 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, 9/95, page 2)