

TYPE

Aqueous solution of an ammonium salt of a low-molecular polyacrylic acid

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 30 %

PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250

colour		pale yellow
appearance		clear

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	80 - 300
(25 1/s; 23 °C)		

pH-Value DIN ISO 976

pH-value		7,0 - 8,0
(10 %)		

Iodine Colour Number DIN 6162

iodine colour number		<= 3
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	29 - 31
(1 h; 125 °C; 1 g)		

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm³]	1,12
approx.		
(20 °C)		

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES

Wetting and dispersing agent for inorganic pigments and extenders in aqueous systems and for stabilizing emulsion paints. Prevents thickening.

SUGGESTED USES

Additol XW 330, together with polyphosphates (e.g. Calgon N), is used in emulsion paints for dispersing and wetting in pigments and extenders. The product can be employed for all the usual emulsions, e.g. homopolymer and copolymer polyvinyl acetate, polyacrylic and styrene/acrylic copolymer dispersions.

Additol XW 330 improves the storage stability of highly pigmented emulsion paints and prevents them from thickening.

PROCESSING

The quantity of Additol XW 330 used depends on type and quantity of pigments and extenders in the paint formulation. Generally, the quantity added is 0.1 - 0.4 % (solids Additol XW 330 calculated on pigment/extender mix). Together with polyphosphates wetting, especially of silicate containing extenders and anatase grades of titanium dioxide, is unusually good. A suitable amount is about 0.2 % Additol XW 330 and 0.2 % Calgon N (always in terms of solids on the pigment /extender mix). An excess of Additol XW 330 is liable to set off an electrolytic effect which produces coagulation, particularly when the emulsion systems are sensitive. When more Additol XW 330 is used, the compatibility must be established by preliminary tests.

For the manufacture of emulsion paints Additol XW 330 must be added to the pigment paste or the dispersion as a solution which has been diluted 1 : 3 with water.

STORAGE

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

Additol XW 330 is sensitive to temperature below the freezing point. While freezing does not affect the quality of the product, owing to the composition of Additol XW 330, freezing entails an increase in volume which may cause bursting of the containers. Thus, care should be taken to store Additol XW 330 above freezing temperatures.

DISTINGUISHING FEATURES

In difference to Additol VXW 6200 Additol XW 330 is specially used in non glossy emulsion paints. For silky and high gloss emulsion paints Additol VXW 6200 should be used.