

TYPE

High molecular wetting and dispersing agent with cationic character for carbon black and organic pigments

FORM OF DELIVERY (f.o.d.)

Active substance

60 % in methoxy propyl acetate

PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250

colour		yellow
appearance		clear

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	100 - 900
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Iodine Colour Number DIN 6162

iodine colour number		<= 7
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Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 10 min)	[%]	58 - 62
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,05
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	48
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SPECIAL PROPERTIES AND USE

Suitable for radiation curing systems.

Additol XL 6521 improves wetting of carbon black and difficult wetttable organic pigments in solvent-borne, solvent-free and high solid systems, such as high quality car refinish, industrial lacquers, printing inks and pigment pastes.

Additol XL 6521 reduces dispersing time, enhances gloss and levelling, prevents re-flocculation of pigment particles and reduces viscosity of pigment pastes.

Additol XL 6521 enables a higher pigment loading in the mill base without an increase of viscosity and reduces dispersing time.

PROCESSING

Additol XL 6521 must be grinded with the pigments.

We recommend the addition of Additol XL 6521 direct to the grinding resin before addition of pigments.

In some cases it gives an advantage to pre-dilute Additol XL 6521 with a small part of the solvent (as contained in the formulation), to get easier incorporation and an optimized performance in gloss and haze.

Recommended dosage (on pigment):

10 - 50 % on organic pigments
50 - 80 % on carbon black

STORAGE

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

Upon long term exposure to temperatures below 10 °C, Additol XL 6521 may get cloudy and may show some crystallization. These effects are reversible and can be eliminated by warming up the product to 20 - 25 °C for several hours. After this treatment the product can be used without any restrictions.

