

TYPE

Ionic and nonionic surfactant with pigment affinity groups for organic and inorganic pigments in waterborne coating systems

It is free of nonylphenoethoxylates and VOC.

FORM OF DELIVERY (f.o.d.)

Appearance

low-viscous liquid

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	50 - 300
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pH-Value DIN ISO 976

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

non-volatile matter (150 °C; 10 min)	[%]	48 - 52
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Colour / Appearance VLN 250

colour		yellow
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm³]	1,04
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Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES

Additol VXW 6374 effectively improves wetting of organic and inorganic pigments in all aqueous coating systems.

Additol VXW 6374 reduces the grind viscosity and prevents pigment reflocculation during formulated paint storage.

SUGGESTED USES

Additol VXW 6374 is a suitable wetting agent for neutral as well as amine neutralized waterborne coatings systems. It is highly effective for alkyd resin emulsions, acrylics, polyesters, epoxies, UV curing backbone resin systems, polyurethane emulsions as well as standard emulsions designed to formulate quality coating systems.

Additol VXW 6374 is also suited for the preparation of pigment pastes containing no binders.

PROCESSING

Additol VXW 6374 must be milled together with the pigments. It is recommended to add Additol VXW 6374 to the resin base prior to adding the pigments.

The recommended dosage on pigment is:
for inorganic pigments 1.0 - 10.0 %
for organic pigments 10.0 - 40.0 %.

The optimum dosage is related to the entire system mix and should be determined by careful laboratory evaluation.

Foam generation in the milling base can be prevented by using suitable defoamers such as Additol VXW 6356, Additol VXW 6210, Additol VXW 4973 or Additol VXW 4926. Blends of Additol XW 390 or Additol VXW 4971 promotes better flow avoiding surface defects.

STORAGE

At temperatures from 5 °C to 25 °C storage stability packed in original containers amounts to at least 730 days.

Synthetic resins containing water may freeze or get inhomogeneous at temperatures below 0 °C. By this the product will not suffer any damage, but the necessary regeneration requires extended heat treatment at 40 - 50 °C with continuous stirring. It is therefore recommended to ensure frostproof storage of such products.

