

Densurf DA 3010

Wetting & Dispersing Agent

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PRODUCT DESCRIPTION

Densurf DA 3010 is a water-based polymer solution used as a wetting and dispersing agent.

It supports the dispersion stability with the steric effects.

APPLICATIONS & KEY FEATURES

Densurf DA 3010 is highly effective for pigment wetting and helps reduce viscosity. Densurf DA 3010 improves color properties and increases color strength.

The main application areas of the Densurf DA 3010 are:

- Wood Coatings
- Printing Inks
- General Industrial Paints
- Pigment Pastes

SOLUBILITY

Water	Aliphatic Hydrocarbons
	
Co-Solvents	N-Butanol
	
Aromatic Hydrocarbons	Ethanol
	
	
Soluble	Not Soluble

**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the references according to the most common application areas.

STORAGE

Please store the unopened packaging between 5°C - 35°C. The shelf life is at least 24 months for unopened packagings. Close the packaging cap tightly after use.

WARNING! Keep away from the acids, the heat and the moisture.

SPECIAL NOTES

Densurf DA 3010 can be used for the excellent color properties especially for the pigment concentrates.

It has an excellent stability maintenance properties for the resin-free pigment concentrates.

TECHNICAL PROPERTIES

- Chemical Structure: Polyether modified copolymer
- Appearance: Clear yellow liquid
- Acid Value: 3.50 ± 2.00 mg KOH/g
- Amine Value: 6.50 ± 2.00 mg KOH/g
- Density (20°C): 1.05 ± 0.02 g/mL
- Solid Content (10 mins., 105°C): 40.00 ± 2.00 %
- Solvent: Water

SYSTEM

Styrene-Acrylic Emulsions	Pure Acrylic Emulsions
	
Vinyl-Acrylate Emulsions	Polyurethane Dispersions
	
Solvent-Based Resins	Resin-Free Grinding
	
	
Suitable	Not Suitable

**Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the references according to the most common application areas.

DOSAGE

Titanium dioxide: 0.50 - 2.00 % (by weight as supplied based on the pigment amount)
Inorganic pigments: 5.00 - 10.00 % (by weight as supplied based on the pigment amount)
Extenders: 0.30 - 0.80 % (by weight as supplied based on the pigment amount)
Co-grinding systems: 0.30 - 1.00 % (by weight as supplied based on the pigment amount)
Organic pigments: 8.00 - 20.00 % (by weight as supplied based on the pigment amount)
Carbon Black: 10.00 - 30.00 % (by weight as supplied based on the pigment amount)

PROCESS RECOMMENDATION

The additive should be added into the millbase and premixed in the binder or solvent before the pigment is added.