

Densurf DA 420

Wetting & Dispersing Agent

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PRODUCT DESCRIPTION

Densurf DA 420 is a highly a nic polyglycol polymer used as a wetting and dispersing agent.

Its polyglycol structure allows it to be used in the wide variety of resin systems.

APPLICATIONS & KEY FEATURES

Densurf DA 420 has sa trong viscosity reduction effect and applicable for the epoxy-based pigment concentrates.

The main application areas of the Densurf DA 420 are:

- Protective Coatings
- General Industrial Paints
- Floor Coatings

SOLUBILITY

Water	Aliphatic Hydrocarbons
	
N-Butyl Acetate	N-Butanol
	
Xylene	Ethanol
	
	
Soluble	Not Soluble

**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the referances 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 420 can be used for the strict viscosity reduction in the epoxy-based pigment concentrates.

It has a great a nity to the basic organic pigments.

TECHNICAL PROPERTIES

- Chemical Structure: Polyglycol with affinic groups
- Appearance: Clear yellow liquid
- Acid Value: 160.00 ± 10.00 mg KOH/g
- Density (20°C): 1.14 ± 0.02 g/mL
- Solid Content (10 mins., 160°C): 98.00 ± 2.00 %

SYSTEM

Thermoplastic Acrylic Resins	Polyester Resins
	
Short Oil Alkyd Resins	Medium Oil Alkyd Resins
	
Epoxy Resins	Acrylic Polyol Resins
	
	
Suitable	Not Suitable

**Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the referances 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 additve should be added into the millbase and premixed in the binder or solvent before the pigment is added.