

Densurf DA 416

Dispersing Agent

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PRODUCT DESCRIPTION

Densurf DA 416 is an amine derivate dispersing agent generally used for the floor coatings and primers.

It prevents fillers and inorganic pigments from the settling and especially used for the inorganic pigments dispersion.

APPLICATIONS & KEY FEATURES

Densurf DA 416 uses electrosteric hindrance and increases the stability. It has a great affinity for inorganic pigments.

The main application areas of the Densurf DA 416 are:

- General Industrial Primer Applications
- Protective Coatings
- Automotive Repair Chemicals

SOLUBILITY

Water	Aliphatic Hydrocarbons
	
N-Butyl Acetate	N-Butanol
	
Xylene	Methoxy Propyl Acetate
	
	
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 416, especially in primer coatings, ensures homogeneous distribution by preventing the settling of pigments and fillers thanks to its pigment and filler carrying properties, and it can also be used as an anti-settling additive in epoxy-based coatings.

It can be used for high stability and effective dispersing in the automotive repair pastes.

TECHNICAL PROPERTIES

- Chemical Structure: Salt of alkylol amine derivatives
- Appearance: Clear yellowish liquid
- Acid Value: 24.00 ± 2.00 mg KOH/g
- Amine Value: 19.00 ± 2.00 mg KOH/g
- Density (20°C): 0.94 ± 0.02 g/mL
- Solid Content (10 mins., 160°C): 50.00 ± 1.00 %
- Solvent: Aliphatic hydrocarbon mixture

SYSTEM

Long Oil Alkyd Resins	Polyester Resins
	
Short Oil Alkyd Resins	Medium Oil Alkyd Resins
	
Alkyd - Melamine Resins	Thermoplastic Acrylic Resins
	
	
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)

PROCESS RECOMMENDATION

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