Densurf DA 413

Wetting & Dispersing Agent

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PRODUCT DESCRIPTION

Densurf DA 413 is an acid ester of polyglycol polymer used as a wetting and dispersing agent.

It's polyglycol structure allows it to be used in the wide variety of resin systems.

APPLICATIONS & KEY FEATURES

Densurf DA 413 has a strong pigment a nity and viscosity reduction effect. It developed for the base paint formulations.

The main application areas of the Densurf DA 413 are:

- Floor Coatings
- Protective Coatings
- General Industrial Paints
- Wood Coatings

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 refferances 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 413 can be used for the viscosity reduction in the base paint formulations especially for the general industrial paints

It can be also used in the alkyd resin system for the excellent color properties.

TECHNICAL PROPERTIES

- Chemical Structure: Solution of acid ester of polyglycol
- Appearance: Clear - Transperent liquid
- Acid Value: 55.00 ± 5.00 mg KOH/g
- Density (20˚C): 0.98 ± 0.02 g/mL
- Solid Content (10 mins., 160˚C): 50.00 ± 1.00 %
- Solvent: Xylene : Butyl Acetate (3 : 1)

SYSTEM

Long Oil Alkyd 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 refferances 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 additve should be added into the millbase and premixed in the binder or solvent before the pigment is added.

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