

Densurf DA 413

Wetting & Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 413 is an acid ester of 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 413 has a strong pigment affinity and viscosity reduction effect. It developed for the base paint formulations.

The Main Application Areas of the Densurf DA 413 are:

- Wood Coatings
- Protective Coatings
- General Industrial Paints

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 packaging. 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



Solvent-Based 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 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.