

DENSURF DA 413

Dispersing Agent

PRODUCT DESCRIPTION

DENSURF DA 413 is developed as dispersing agent for solvent-based paints and coatings.

- Reduces millbase viscosity when used with inorganic pigments and fillers.
- Prevents flocculation with steric effects and keeps the system stable.

APPLICATIONS

- General Industrial Coatings
- Wood Coatings
- Protective Coatings

SOLUBILITY

Water Aliphatic Hydrocarbon

Ethyl Alcohol Butyl Acetate

Butyl Alcohol Xylene

MPA

Soluble Partly Soluble Not Soluble

PROCESS RECOMMENDATION

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

STORAGE

- Store between 5°C-35°C.
- The shelf life is at least 12 month from the date of manufacture when stored at recommended conditions.
- Close the packaging cap tightly after use.
- WARNING! Keep away from acids, heat and moisture.

TECHNICAL PROPERTIES

- **Chemical Structure:** Copolymer solution of carboxylic acid ester
- **Solid Content (10 min., 125 °C):** 50 ±1%
- **Appearance:** Yellow/colorless clear liquid
- **Density (20 °C):** 0.980 ±0.020 g/ml
- **Viscosity (25 °C):** 50 ±50 mPas
- **Acid Value:** 55 ±5 mg KOH/g
- **Solvent:** Xylene/Butyl Acetate(by weight, 3/1)

SYSTEMS

Long Oil Alkyd	<input type="radio"/>	Polyester	<input checked="" type="radio"/>
Short/Medium-Oil Alkyd	<input checked="" type="radio"/>	Nitrocellulose	<input type="radio"/>
Thermoplastic Acrylic	<input checked="" type="radio"/>	Acrylic PU	<input checked="" type="radio"/>
Epoxy Systems/ Solvented	<input checked="" type="radio"/>		
Epoxy Systems / Solvent-free	<input type="radio"/>		

Suitable
 Partly Suitable
 Not Suitable

PIGMENTS

Titanium dioxide	<input checked="" type="radio"/>	Inorganic Pigment	<input checked="" type="radio"/>
Carbon Black	<input type="radio"/>	Organic Pigment	<input type="radio"/>
Extender	<input checked="" type="radio"/>		

Suitable
 Partly Suitable
 Not Suitable

DOSAGE

Titanium dioxide: 2.0-4.0% (by weight as supplied based on pigment amount)

Inorganic pigments: 15.0-25.0% (by weight as supplied based on pigment amount)

Extenders: 0.5-1.5% (by weight as supplied based on pigment amount)

Co-grinding systems: 0.5-2.0% (by weight as supplied based on pigment amount)

Note: Amounts mentioned above are just a recommendation. Please make laboratory tests to specify the optimum amounts.