

DENSURF DA 4123

Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 4123, is developed for dispersion of inorganic and organic pigments, especially inorganic pigments in solvent-based systems.

- Prevents flocculation with steric effects and keeps the system stable.

APPLICATIONS

- General Industrial Coatings
- Printing Inks
- Wood Coatings
- Protective Coatings

SOLUBILITY

Water	<input type="radio"/>	Aliphatic Hydrocarbon	<input checked="" type="radio"/>
Ethyl Alcohol	<input checked="" type="radio"/>	Butyl Acetate	<input checked="" type="radio"/>
Butyl Alcohol	<input checked="" type="radio"/>	Xylene	<input checked="" type="radio"/>
MPA	<input checked="" type="radio"/>	Dibasic Ester	<input checked="" type="radio"/>

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 24 months 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: Polyether modified copolymer
- Solid Content (5 min., 160 °C): 70.50 ± 1.00 %
- Appearance: Yellow clear liquid
- Density (20 °C): 1.12 ± 0.02 g/mL
- Viscosity (25 °C): 1800.00 ± 500.00 mPa.s
- Acid Value: 6.00 ± 2.00 mg KOH/g
- Amine Value: 12.00 ± 2.00 mg KOH/g
- Solvent: Dibasic Ester

SYSTEMS

Long Oil Alkyd	<input checked="" type="radio"/>	Polyester	<input checked="" type="radio"/>
Short/Medium-Oil Alkyd	<input checked="" type="radio"/>	Aldehyde Resin	<input checked="" type="radio"/>
Thermoplastic Acrylic	<input checked="" type="radio"/>	Acrylic PU	<input checked="" type="radio"/>
Epoxy / Solvent-based	<input type="radio"/>		
Epoxy / 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: 2.00 - 4.00 % (by weight as supplied based on pigment amount)

Inorganic pigments: 15.00 - 25.00 % (by weight as supplied based on pigment amount)

Extenders: 0.50 - 1.50 % (by weight as supplied based on pigment amount)

Co-grinding systems: 0.50 - 2.00 % (by weight as supplied based on pigment amount)

Organic pigments: 15.00 - 35.00 % (by weight as supplied based on pigment amount)

Carbon Black: 30.00- 60.00 % (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.