

DENSURF DA 420

Dispersing Agent

PRODUCT DESCRIPTION

DENSURF DA 420 is developed for solvent-borne paints and coatings.

- Prevents flocculation with steric effects and keeps the system stable.
- Suitable for both inorganic pigments and fillers.
- Uses for basic phthalocyanine pigments.

APPLICATIONS

- General Industrial Coatings
- Protective Coatings

SOLUBILITY

Water	<input type="radio"/>	Aliphatic Hydrocarbon	<input 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"/>		

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 in the unopened original packaging 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 of phosphoric acid ester
- Solid Content (5 min., 125 °C):** 97.00 ± 2.00 %
- Appearance:** Yellow/colorless clear liquid
- Density (20 °C):** 1.14 ± 0.02 g/mL
- Viscosity (25 °C):** 1000.00 ± 100.00 mPa.s
- Acid Value:** 160.00 ± 10.00 mg KOH/g

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	<input checked="" 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: 0.50 - 2.00 % (by weight as supplied based on pigment amount)

Inorganic pigments: 5.00 - 10.00 % (by weight as supplied based on pigment amount)

Extenders: 0.30 - 0.80 % (by weight as supplied based on pigment amount)

Co-grinding systems: 0.30 - 1.00 % (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.