

DENSURF DA 405

Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 405 is developed as dispersing agent for solvent-based paints and coatings.

- Prevents flocculation with steric effects in long/medium-oil alkyd systems.
- Keeps system stable and increase the gloss and color strength

APPLICATIONS

- General Industrial Coatings
- Wood Coatings
- Printing Inks
- Road Marking Paints

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"/>		

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:** Hydroxy functional carboxylic acid ester
- Solid Content (5 min., 160 °C):** 98.50 ± 1.50 %
- Appearance:** Clear Yellow/brown liquid
- Density (20 °C):** 0.92 ± 0.02 g/mL

SYSTEMS

Long Oil Alkyd	<input checked="" type="radio"/>	Polyester	<input type="radio"/>
Short/Medium-Oil Alkyd	<input type="radio"/>	Nitrocellulose	<input type="radio"/>
Thermoplastic Acrylic	<input type="radio"/>	Acrylic PU	<input type="radio"/>
Metacrylic Resin	<input checked="" type="radio"/>	Epoxy	<input type="radio"/>

Suitable
 Partly Suitable
 Not Suitable

PIGMENTS

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

Organic pigments: 8.00 - 20.00% (by weight as supplied based on pigment amount)

Carbon Black: 10.00 - 30.00 % (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.