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 Indusrial Coatings
- Wood Coatings
- Printing Inks
- Road Marking Paints

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 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):** 98.5 ±1.5%
- **Appearance:** Clear Yellow/brown liquid
- **Density (20˚C):** 0.920 ±0.020 g/ml
- **Amine Value:** 69 ±3 mg KOH/g

SYSTEMS

Long Oil Alkyd	●	Polyester	○
Short/Medium-Oil Alkyd	◐	Nitrocellulose	○
Thermoplastic Acrylic	○	Acrylic PU	○
Metacrylic Resin	●	Epoxy	○

● *Suitable* ◐ *Partly Suitable* ○ *Not Suitable*

PIGMENTS

Titanium dioxide	●	Inorganic Pigment	●
Carbon Black	●	Organic Pigment	●
Extender	●		

● *Suitable* ◐ *Partly Suitable* ○ *Not Suitable*

DOSAGE

Titanium dioxide: 0.5-2.0% (by weight as supplied based on pigment amount)
Inorganic pigments: 5.0-10.0% (by weight as supplied based on pigment amount)
Organic pigments: 8.0-20.0% (by weight as supplied based on pigment amount)
Carbon Black: 10.0-30.0% (by weight as supplied based on pigment amount)
Extenders: 0.3-0.8% (by weight as supplied based on pigment amount)
Co-grinding systems: 0.3-1.0% (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.

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