DENSURF DA 415

Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 415 is developed as a dispersing agent for solvent-based paints and coatings.

- Reduces millbase viscosity and decreases dispersion time .
- Prevents flocculation and sedimentation, helps stabilizing the system.

APPLICATIONS

- General Indusrial Coatings
- Wood Coatings
- Protective Coatings
- Printing Inks

TECHNICAL PROPERTIES

- **Chemical Structure:** Solution of polycarboxylic acid salts and amine derivatives
- **Solid Content (10 min., 160˚C):** 46.00 ± 1.00 %
- **Appearance:** Clear Yellow/transparent liquid
- **Density (20˚C):** 0.90 ± 0.02 g/mL
- **Acid Value:** 56.50 ± 1.50 mg KOH/g
- **Amine Value :** 56.50 ± 1.50 mg KOH/g
- **Solvent:** Hydrocarbon mixture

SYSTEMS

System	Suitability	System	Suitability
Alkyd	Suitable	Polyester	Suitable
Alkyd-Melamine	Suitable	Acrylic PU	Suitable
Epoxy	Suitable		

Suitable — Partly Suitable — Not Suitable

SOLUBILITY

Solvent	Solubility	Solvent	Solubility
Water	Not Soluble	Aliphatic Hydrocarbon	Soluble
MPA	Soluble	Butyl Acetate	Soluble
Butyl Alcohol	Soluble	Xylene	Soluble

Soluble — Partly Soluble — Not Soluble

PIGMENTS

Pigment	Suitability	Pigment	Suitability
Titanium dioxide	Suitable	Inorganic Pigment	Suitable
Carbon Black	Suitable	Organic Pigment	Suitable
Extender	Suitable		

Suitable — Partly Suitable — Not Suitable

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.

DOSAGE

Titanium dioxide: 0.50 - 1.00 % (by weight as supplied based on pigment amount)
Inorganic pigments: 0.50 - 2.00 % (by weight as supplied based on pigment amount)
Organic pigments: 2.00 - 5.00 % (by weight as supplied based on pigment amount)
Extenders: 0.50 - 1.50 % (by weight as supplied based on total formulation)
Bentonites: 30.00 - 50.00 % (by weight as supplied based on bentonite amount)

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

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