

DENSURF DA 416

Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 416 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.
- Enhances gloss.

APPLICATIONS

- General Industrial Coatings
- Protective Coatings
- Decorative Paints

SOLUBILITY

Water	<input type="radio"/>	Aliphatic Hydrocarbon	<input checked="" type="radio"/>
MPA	<input checked="" type="radio"/>	Butyl Acetate	<input checked="" type="radio"/>
Butyl Alcohol	<input checked="" type="radio"/>	Xylene	<input checked="" type="radio"/>
<input checked="" type="radio"/> Soluble	<input type="radio"/> Partly Soluble	<input type="radio"/> Not Soluble	

TECHNICAL PROPERTIES

- **Chemical Structure:** Solution of unsaturated polyamine-amide salts and polyesters with low molecular weight
- **Solid Content (10 min., 160 °C):** 50.00 ± 1.00 %
- **Appearance:** Clear Yellow/transparent liquid
- **Density (20 °C):** 0.94 ± 0.02 g/mL
- **Acid Value :** 24.00 ± 2.00 mg KOH/g
- **Amine Value:** 19.00 ± 3.00 mg KOH/g
- **Solvent:** Hydrocarbon mixture

SYSTEMS

Alkyd	<input type="radio"/>	Polyester	<input checked="" type="radio"/>
Epoxy	<input checked="" type="radio"/>	Acrylic PU	<input checked="" type="radio"/>
<input checked="" type="radio"/> Suitable	<input type="radio"/> Partly Suitable	<input type="radio"/> 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"/>		
<input checked="" type="radio"/> Suitable	<input type="radio"/> Partly Suitable	<input type="radio"/> 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: 0.20 - 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: 0.30 - 0.80 % (by weight as supplied based on pigment amount)

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.