

DENSURF DA 307

Dispersing Agent

PRODUCT DESCRIPTION

Densurf DA 307 is developed for dispersion of water-based systems.

- Gives outstanding viscosity reduction with inorganic pigments and fillers.
- Effectively disperses inorganic pigments and extenders. It also keeps them stable via electrostatic repulsion.

APPLICATIONS

- Constructional paints
- Wood coatings

SOLUBILITY

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

STORAGE

- Store between 5°C - 35°C.
- WARNING! Densurf DA 307 has a crystallization tendency at cold weather (below 10°C). This will not affect performance of product.
- 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:** Solution of a sodium salt of an acrylic polymer
- **Solid Content (30 min., 160 °C):** 48.00 ± 2.00 %
- **Appearance:** Clear yellow liquid
- **Density (20 °C):** 1.24 ± 0.02 g/mL
- **pH(20 °):** 7.50 ± 1.00
- **Acid Value:** 13.50 ± 3.00 mg KOH/g
- **Solvent:** Water

SYSTEMS

Water-based	<input checked="" type="radio"/>	Solvent-based	<input type="radio"/>	✓
Co-grind	<input checked="" type="radio"/>	Pigment paste	<input type="radio"/>	✓
<input checked="" type="radio"/> Suitable <input type="radio"/> Partly Suitable <input type="radio"/> Not Suitable				

DOSAGE

Co-grinding systems: 0.30 - 3.00 % (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.

PROCESS RECOMMENDATION

- The additive should be added into the millbase and premixed in solvent before the pigment is added.
- It is advised to disperse the pigment and fillers at pH between 7.50 - 9.50 .