

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 ±2%
- **Appearance:** Clear yellow liquid
- **Density (20 °C):** 1.240 ±0.020 g/ml
- **pH(20 °):** 7.5 ±1
- **Acid Value:** 13.5 ±3.0 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: 0.3-3.0% (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.

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 7.5-9.5.