

# DENSURF DA 3010

## Dispersing Agent

### PRODUCT DESCRIPTION

DENSURF DA 3010 is developed for dispersion of inorganic and organic pigments, especially carbon-black in water-based paints.

- Prevents flocculation with steric effects and keeps the system stable.

### APPLICATIONS

- General Industrial Coatings
- Printing Inks
- 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"/>	Dibasic Ester	<input type="radio"/>

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 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 polyether modified copolymer
- Solid Content (10 min., 160 °C):** 40.50 ± 1.00 %
- Appearance:** Yellow clear liquid
- Density (20 °C):** 1.05 ± 0.02 g/mL
- Viscosity (25 °C):** 3000.00 ± 500.00 mPa.s
- Acid Value:** 3.50 ± 2.00 mg KOH/g
- Amine Value:** 6.50 ± 2.00 mg KOH/g
- Solvent:** Water

### SYSTEMS

Emulsion Resins     Water-borne resins

Suitable   
  Partly Suitable   
  Not Suitable

### PIGMENTS

Titanium dioxide     Inorganic Pigment

Carbon Black     Organic Pigment

Extender

Suitable   
  Partly Suitable   
  Not Suitable

### DOSAGE

**Titanium dioxide:** 2.00 - 4.00 % (by weight as supplied based on pigment amount)

**Inorganic pigments:** 15.00 - 25.00 % (by weight as supplied based on pigment amount)

**Extenders:** 0.50 - 1.50 % (by weight as supplied based on pigment amount)

**Co-grinding systems:** 0.50 - 2.00 % (by weight as supplied based on pigment amount)

**Organic pigments:** 15.00 - 35.00 % (by weight as supplied based on pigment amount)

**Carbon Black:** 30.00 - 60.00 % (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.*