

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		Aliphatic Hydrocarbon	
Ethyl Alcohol		Butyl Acetate	
Butyl Alcohol		Xylene	
MPA		Dibasic Ester	

 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):** 40.5 ±1.0 %
- Appearance:** Yellow clear liquid
- Density (20 °C):** 1.054 ±0.020 g/ml
- Viscosity (25 °C):** 3000 ±500 mPas
- Acid Value:** 3.5 ±2 mg KOH/g
- Amine Value:** 6.5 ±2 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: 2.0-4.0% (by weight as supplied based on pigment amount)

Inorganic pigments: 15.0-25.0% (by weight as supplied based on pigment amount)

Extenders: 0.5-1.5% (by weight as supplied based on pigment amount)

Co-grinding systems: 0.5-2.0% (by weight as supplied based on pigment amount)

Organic pigments: 15.0-35.0% (by weight as supplied based on pigment amount)

Carbon Black: 30.0-60.0% (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.