

# DENSURF DA 412

## Dispersing Agent

### PRODUCT DESCRIPTION












DENSURF DA 412 is developed for dispersion of inorganic pigments and fillers.

- Prevents flocculation with steric effects and keeps the system stable.
- Uses for both solvent-free and solvent-based systems
- Increases gloss of top coats

### APPLICATIONS

- General Industrial Coatings
- Wood Coatings
- Protective Coatings
- Floor Coatings

### SOLUBILITY

Water		Aliphatic Hydrocarbon	
Ethyl Alcohol		Butyl Acetate	
Butyl Alcohol		Xylene	
MPA		Cosolvent	
 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 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: Copolymer of carboxylic acid ester
- Solid Content (5 min., 125 °C): 98 ±2%
- Appearance: Yellow/colorless clear liquid
- Density (20 °C): 1.116 ±0.020 g/ml
- Viscosity (25 °C): 1500 ±500 mPas
- Acid Value: 100 ±10 mg KOH/g

### SYSTEMS

Long Oil Alkyd		Polyester	
Short/Medium-Oil Alkyd		Nitrocellulose	
Thermoplastic Acrylic		Acrylic PU	
Epoxy			
 Suitable  Partly Suitable  Not Suitable			

### PIGMENTS

Titanium dioxide		Inorganic Pigment	
Carbon Black		Organic Pigment	
Extender			
 Suitable  Partly Suitable  Not Suitable			

### DOSAGE

**Titanium dioxide:** 2.0-3.0% (by weight as supplied based on pigment amount)

**Inorganic pigments:** 10.0-20.0% (by weight as supplied based on pigment amount)

**Extenders:** 0.3-0.8% (by weight as supplied based on pigment amount)

**Co-grinding systems:** 0.3-1.0% (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.*