

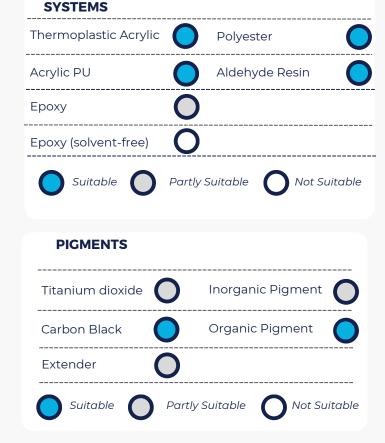
# **DENSURF DA 4010**

**Dispersing Agent** 

### **PRODUCT DESCRIPTION**

Densurf DA 4010 is developed for dispersion of organic pigments, especially carbon-black in solvent-based and solvent-free systems.

Prevents flocculation with steric effects and keeps the system stable.



**TECHNICAL PROPERTIES** 

• Appearance: Yellow clear liquid

 Density (20°C): 1.57 ± 0.02 g/mL • Acid Value: 6.00 ± 2.00 mg KOH/g

• Amine Value: 15.00 ± 2.00 mg KOH/g

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• Chemical Structure: Polyether modified copolymer Solid Content (5 min., 160 °C): 98.50 ± 1.00 %

## 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.

Our technical data sheets provide directions for the application possibilities of our products. Our recommendations are in line with our present state of knowledge and do not provide any guarantee.

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## www.densurf.com

## **APPLICATIONS**

- General Indusrial Coatings
- Printing Inks
- Wood Coatings
- Protective Coatings
- Automotive Coatings

#### SOLUBILITY

| Water           | Aliphatic Hydrocarbon 🔵      |
|-----------------|------------------------------|
| Ethyl Alcohol   | Butyl Acetate                |
| Butyl Alcohol 🔵 | Xylene                       |
| МРА             | 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 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.