

# **DENSURF DA 420**

### **Dispersing Agent**

#### **PRODUCT DESCRIPTION**

DENSURF DA 420 is developed for solvent-borne paints and coatings.

- Prevents flocculation with steric effects and keeps the system stable.
- Suitable for both inorganic pigments and fillers.
- Uses for basic phthalocyanine pigments.

#### **TECHNICAL PROPERTIES**

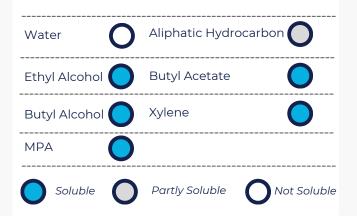
- Chemical Structure: Copolymer of phosphoric acid
  ester
- Solid Content (5 min., 125°C): 97.00 ± 2.00 %
- Appearance: Yellow/colorless clear liquid
- Density (20 ° C): 1.14 ± 0.02 g/mL
- Viscosity (25 °C): 1000.00 ± 100.00 mPa.s
- Acid Value: 160.00 ± 10.00 mg KOH/g

| SYSTEMS               |                                       |
|-----------------------|---------------------------------------|
| Long Oil Alkyd        | O Polyester                           |
| Short/Medium-Oil Alky | yd Nitrocellulose O                   |
| Thermoplastic Acrylic | Acrylic PU                            |
| Ероху                 | •                                     |
| Suitable              | Partly Suitable <b>O</b> Not Suitable |
| PIGMENTS              |                                       |
| Titanium dioxide      | Inorganic Pigment                     |
| Carbon Black          | Organic Pigment                       |
| Extender              | •                                     |
| Suitable              | Partly Suitable <b>O</b> Not Suitable |

#### APPLICATIONS

- General Indusrial Coatings
- Protective Coatings

#### SOLUBILITY



#### 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.

#### DOSAGE

Titanium dioxide: 0.50 - 2.00 % (by weight as supplied based on pigment amount)

**Inorganic pigments:** 5.00 - 10.00 % (by weight as supplied based on pigment amount)

Extenders: 0.30 - 0.80 % (by weight as supplied based on pigment amount)

**Co-grinding systems:** 0.30 - 1.00 % (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.

## Powered by **denge**

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