

# DENSURF DA 4115

## Dispersing Agent

### PRODUCT DESCRIPTION

Densurf DA 4115 is designed for the dispersion of all pigments, especially carbon black, in solvent-based coatings.

- It prevents flocculation through steric effects and ensures that the system remains stable.

### APPLICATIONS

- General Industrial Paintings
- Protective Coatings
- Wood Coatings
- Printing Inks

### SOLUBILITY

Water	<input type="radio"/>	Aliphatic Hydrocarbon	<input checked="" type="radio"/>
Ethyl Alcohol	<input type="radio"/>	Butyl Acetate	<input checked="" type="radio"/>
Xylene	<input checked="" type="radio"/>	N-Butyl Acetate	<input checked="" type="radio"/>
MPA	<input checked="" type="radio"/>	Dibasic Ester	<input checked="" type="radio"/>

Soluble     Partly Soluble     Not Soluble

### PROCESS RECOMMENDATION

- It must be incorporated into the system during the pre-mixing stage, before pigments.

### PACKAGING&STORAGE

- It should be stored between 5°C-35°C.
- Shelf life in accordance with storage conditions
- Production in stored unopened packages
- 24 months from the date.
- The packaging should be kept closed after use.
- Warning! Keep away from acids, heat and moisture.

### CHARACTERISTIC

- Chemical structure: Polyglycol modified polyimine
- Solids (10 min., 160 °C): 98.0% ±1.0
- Appearance: Yellow transparent liquid
- Amine Value: 35±2 mg KOH/g
- Density: 1.055±0.002 g/ml

### SYSTEMS

Long Oil Alkyd	<input checked="" type="radio"/>	Polyester	<input checked="" type="radio"/>
Short/Medium-Oil Alkyd	<input checked="" type="radio"/>	Aldehyde Resin	<input checked="" type="radio"/>
Thermoplastic Acrylic	<input checked="" type="radio"/>	Acrylic PU	<input checked="" type="radio"/>
Epoxy / Solvent-based	<input type="radio"/>		
Epoxy / Solvent-free	<input type="radio"/>		

Suitable     Partly Suitable     Not Suitable

### PIGMENTS

Titanium dioxide	<input type="radio"/>	Inorganic Pigment	<input type="radio"/>
Carbon Black	<input checked="" type="radio"/>	Organic Pigment	<input checked="" type="radio"/>
Extender	<input type="radio"/>		

Suitable     Partly Suitable     Not Suitable

### DOSAGE

Titanium dioxide: 2.0-4.0% (as presented by weight of pigment)  
Inorganic pigments: 15.0-25.0% (as presented by weight of pigment)  
Fillers: 0.5-1.5% (as presented by weight of the total formula)  
Co-grinding systems: 0.5-2.0% (as presented on the total formula by weight)  
Carbon black: 30-60% (as presented by weight of pigment)  
Organic pigments: 15-35% (as presented by weight of pigment)

*Note: The usage amount stated above is for guidance purposes only. The optimum usage rate should be determined as a result of laboratory tests.*