DENSURF SM 103

Surface Modifier

PRODUCT DESCRIPTION

DENSURF SM 103 is a surface modifier developed for solvent-based and solvent-free coatings

- Enhances the wetting and spreading of paint by reducing the surface tension of the coating.
- Prevents the surface defects such as Benard cell, crater and orange peel effect.
- It is also compatible with water-borne systems.

APPLICATIONS

- General Industrial Coatings
- Automotive Coatings
- Floor Coatings
- Protective Coatings
- Printing Inks
- Wood Coatings

SOLUBILITY

Water	○	Aliphatic Hydrocarbon	○
Ethyl Alcohol	●	Butyl Acetate	●
Butyl Alcohol	●	Xylene	◐
Acetone	○	Butyl Glycol	◐
Butyl Glycol Acetate	●		

● *Soluble* ◐ *Partly Soluble* ○ *Not Soluble*

STORAGE

- The shelf life is at least 12 month from the date of manufacture when stored between 5°C-35°C.
- Close the packaging cap tightly after use.
- WARNING! Keep away from acids, heat and moisture.

TECHNICAL PROPERTIES

- **Chemical Structure:** Polyether modified polysiloxane
- **Solid Content(10min., 160 °C):** 98 ±2%
- **Appearance:** Clear/hazy liquid
- **Ionic Structure:** Non-ionic
- **Density (20˚C):** 1.034 ±0.020 g/ml

SYSTEMS

Emulsion Resins	●	Water-borne Resins	●
Solvent-borne Resins	●	Solvent-free Resins	●

● *Suitable* ◐ *Partly Suitable* ○ *Not Suitable*

DOSAGE

Recommended amount; 0.05-1.00% (by weight as supplied based on total formulation)

Note: *Amounts mentioned above are just a recommendation. Please make laboratory tests to specify the optimum amounts.*

PROCESS RECOMMENDATION

- Product can be incorporated during any stage of the production process.
- It can be diluted with suitable solvent.
- Dilution is recommended to make dosing easier.
- Recommended to test foam formation of the product in water-borne systems.