

Densurf SM 103

Surface Modifier

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PRODUCT DESCRIPTION

Densurf SM 103 is an organo-modified polydimethylsiloxane surface modifier used for the water-based, the solvent-based, and the solvent-free systems.

APPLICATIONS & KEY FEATURES

Densurf SM 103 is featured for the high surface tension reduction and the good surface levelling for the water-based systems. It can contribute to the surface slip effect.

The Main Application Areas of the Densurf SM 103 are:

- General Industrial Paints
- Constructional Paints
- Printing Inks

SOLUBILITY

Water	Butyl Glycol Acetate
N-Butyl Acetate	N-Butanol
Butyl Glycol	Ethanol
Soluble	
Not Soluble	

**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the references according to the most common application areas.

STORAGE

Please store the unopened packaging between 5°C - 35°C. The shelf life is at least 60 months for unopened packagings. Close the packaging cap tightly after use.

WARNING! Keep away from the acids, the heat and the moisture.

SPECIAL NOTES

Densurf SM 103 has an excellent surface tension reduction effect with an enhanced levelling.

Densurf SM 103 has a contribution to the surface slip effect.

It can be used in the water-based systems for avoid the surface defects with a good levelling.

TECHNICAL PROPERTIES

- Chemical Structure: Polyether-modified polysiloxane
- Appearance: Clear slightly yellow liquid
- Solid Content (10 mins., 160°C): 98.00 ± 2.00 %
- Ionic Structure: Nonionic
- Density (20°C): 1.03 ± 0.02 g/mL

SYSTEM

Styrene-Acrylic Emulsions	Pure Acrylic Emulsions
Solvent-Based Resins	Polyurethane Dispersions
Solvent-Free Resins	Alkoxy Silane Resins
Suitable	Not Suitable

**Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the references according to the most common application areas.

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 the suitable solvent. Dilution is recommended to make the dosage easier.

It is recommended to test the foam formation of the product and the overcoat adhesion of the system.