

Densurf SM 103

Surface Modifier

Content Publish Date: 01.03.2025 Content Revision Date: 01.03.2025 Content Revision No: 000

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.

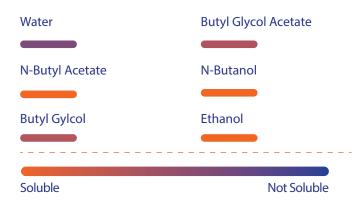
APPLICATIONS & KEY FEATURES

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

The Main Application Areas of the Densurf SM 103 are:

- **General Industrial Paints**
- **Constructional Paints**
- **Printing Inks**

SOLUBILITY



**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the refferances 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 contrubution 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 silghtly yellow liquid
- Solid Content (10 mins., 160° C): $98.00 \pm 2.00 \%$
- Ionic Structure: Nonionic
- Density (20°C): 1.03 ± 0.02 g/mL

SYSTEM

Styrene-Acrylic Emulsions **Pure Acrylic Emulsions** Solvent-Based Resins Polyurethane Disperisons 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 refferences 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.

This technical data sheets provide directions for the application instructions of the products. These recommendations are in line with the present state of knowledge and do not provide any guarantee Velimese Organize Sanayi Bölgesi Mah. 259. Sok. No:4/1 Ergene / Tekirdağ / Türkiye | T: +90 (282) 674 54 00 | F: +90 (282) 674 50 01 | info@densurf.com | www.densurf.com | Document No: FR.04-001 Publish Date: 11.03.2022 | Revision Date: 01.03.2025 | Revision No: 001 | Info. Label: Public