

Densurf SM 114

Surface Modifier

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PRODUCT DESCRIPTION

Densurf SM 114 is an organo-modified polydimethylsiloxane surface modifier used in solvent-based and the solvent-free systems.

APPLICATIONS & KEY FEATURES

Densurf SM 114 is featured for the high surface tension reduction and the good surface levelling. It can contribute to the surface slip effect.

The main application areas of the Densurf SM 114 are:

- Floor Coatings
- General Industrial Paints
- Protective Coatings

SOLUBILITY

Water	Methoxy Propyl Acetate
	
N-Butyl Acetate	N-Butanol
	
Xylene	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 114 has an excellent surface tension reduction effect with an enhanced levelling. It can support the air releasing. Densurf SM 114 has contribution to the surface slip effect.

Superior surface properties can be achieved when it is used with the Densurf AF 200 in the epoxy-based floorings.

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

Solvent-Based Epoxy Resins	Solvent-Free Epoxy Resins
	
Short Oil Alkyd Resins	Medium Oil Alkyd Resins
	
Long Oil Alkyd Resins	Acrylic Poliol 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 - 0.50 % (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.