

Densurf FR 1000

Silicone Resin

PRODUCT DESCRIPTION

Densurf FR 1000 is a co-lattice structured polymer which is polyborosiloxane resin that can be cured under the specified temperature.








APPLICATIONS & KEY FEATURES

It provides thermal resistance up to the 900 - 950 °C when it is formulated correctly.
It is used for the heat and the corrosion resistant solvent-based coatings.

The Main Application Areas of the Densurf FR 1000 are:

- Heat Resistant Applications
- Flame Retardant Applications

SOLUBILITY

Water	Ethanol
	
N-Butyl Acetate	Isobutanol
	
Xylene	Methoxy Propyl Acetate
	
	
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 12 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 FR 1000 provides an excellent hydrophobicity and the corrosion-protection.

It is flame retardant silicone resin that can stand to the direct flame applicaitons.

TECHNICAL PROPERTIES

- Chemical Structure: Polyborosiloxane resin
- Appearance: Hazy liquid
- Density (20°C): 1.10 ± 0.02 g/mL
- Solid Content (10 mins., 160°C): 58.00 ± 200 %
- Solvent: Xylene

SYSTEM

Long Oil Alkyd Resins



Polyester Resins



Short Oil Alkyd Resins



Thermoplastic Acrylic



Solvent-Based Epoxy Resins



Acrylic Polyol 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: 30.00 - 50.00 % (by weight as supplied based on the total formulation)

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

PROCESS RECOMMENDATION

It can be cold-blended with a suitable organic resins.
Surface pre-treatment is needed.

It completes its touch-free dry within the 1 hour after the application.

It needs to heated under specified temperature and curing time 250°C / 30 min.