

Densurf HR 700A

Silicone Resin

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PRODUCT DESCRIPTION

Densurf HR 700A is a methyl-polysiloxane resin that can be cured at the ambient conditions with help of the catalyst.

The curing reaction is catalyzed by the tetra-n-butyl titanate (Densurf TBT).

APPLICATIONS & KEY FEATURES

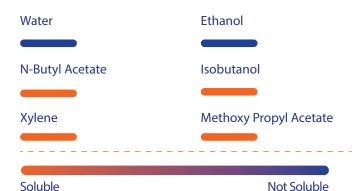
It provides thermal resistance up to the 600 - 650 °C when it is formulated correctly.

It is used for the heat and the corrosion resistant solvent-based coatings.

The Main Application Areas of the Densurf HR 700A are:

- **Heat Resistant Applications**
- **General Industrial Paints**

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 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 HR 700A provides an excellent hydrophobicity and the corrosion-protection.

It has very low viscosity and can be cured with both the catalyst and the heat.

TECHNICAL PROPERTIES

- Chemical Structure: Methyl-polysiloxane resin
- Appearance: Transperent/hazy liquid
- Density (20 $^{\circ}$ C): 1.11 ± 0.02 g/mL
- Solid Content (10 mins., 160°C): 100.00 %

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 refferences 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.

The Densurf TBT should be added into the paint system before the application.

Dosage should be the 0,80 - 1,20 % referred on the active solid content of the resin.

PROCESS RECOMMENDATION

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

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

It needs to wait for the 7 days at the ambient condition for the total curing.