

# Densurf HR 800

## Silicone Resin

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#### PRODUCT DESCRIPTION

Densurf HR 800 is a high molecular weight methyl and phenyl-polysiloxane resin that can be cured under the specified temperature.

#### **APPLICATIONS & KEY FEATURES**

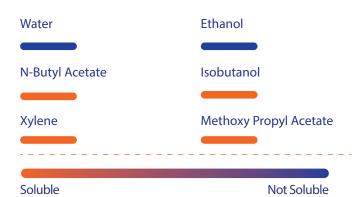
It provides thermal resistance up to the 600 - 650 °C when it is formulated correctly.

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

The Main Application Areas of the Densurf HR 800 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 800 provides an excellent hydrophobicity and the corrosion-protection.

It has a good balance of the hardness, the brittleness, the heat resistance and the curing temperature.

#### **TECHNICAL PROPERTIES**

- Chemical Structure: Methyl and phenyl-polysiloxane resin
- Appearance: Transperent/hazy liquid
- Density (20 $^{\circ}$ C): 1.02 ± 0.02 g/mL
- Solid Content (10 mins.,  $160^{\circ}$ C):  $50.00 \pm 200 \%$
- Phenyl: Methyl Ratio: 1:1
- Solvent: Xylene: Isobutanol (15:1)

#### **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.

## 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 heat under the specified heat and the curing time 250°C / 30 min.