

DESCRIPTION

Silicone Epoxy Hybrid Resin

KEY BENEFITS

- excellent color and gloss retention
- suitable for ultra high solids coatings (< 100 g/l VOC)
- non isocyanate curing (NISO)

SUITABILITY

waterborne	solventborne
●	●
2-pack 100%	high solids
●	●
2-pack coatings	
●	

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Transportation coatings
- Marine coatings
- Protective coatings

TECHNICAL DATA

appearance	clear to hazy colored liquid (product properties are not affected by haziness)
delivery form	liquid
epoxy equivalent weight (calculated on non-volatile content)	Approx 450 g
non-volatile content	Approx. 98 %
viscosity at 25 °C	Approx 1500 mPas

SOLUBILITY

Water	Xylene
●	●
Dowanol MPA	Butylacetate
●	●
Methylisobutylketone (MIBK)	Cyclohexanon
●	●

● not soluble ● partly soluble ● soluble

PROCESSING INSTRUCTIONS

- Check the storage stability of the formulation.
- Ensure that all used raw materials are free of amino-functional groups.
- The used raw materials should contain water content < 0.05%.

BAKING CONDITION

- Forced drying is not recommended.
- The curing time is dependant on relative humidity and temperature.
- SILIKOPON® ED cures at ambient temperature in combination with aminosilanes, e.g. Dynasylan® AMEO. Mixing ratio SILIKOPON® ED : Dynasylan® AMEO = 4.5 : 1.

HANDLING & STORAGE

When stored in an original unopened packaging between -10 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture. However, contact with tin (e.g. with metal containers) will shorten storage stability.

MSDS & REGULATORY INFORMATION

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