

Silicone hybrid resin

SILIKOTOP® E 900

DESCRIPTION

Silicone Polyester Hybrid Resin

KEY BENEFITS

- low VOC-content
- excellent stone-chipping and impact resistance
- excellent weather resistance

SUITABILITY

| waterborne | solventborne |
|-------------|-----------------|
| ● | ● |
| high solids | 2-pack coatings |
| ● | ● |

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Protective coatings
- Transportation coatings
- Car repair coatings

TECHNICAL DATA

| | |
|--|----------------------------|
| acid number (calculated on non-volatile content) | Approx. <9 mg KOH/g |
| appearance | clear, high viscous liquid |
| content of hydroxylgroups (referred on solid binder) | Approx. 6 % |
| delivery form | liquid |
| hydroxy value (calculated on non-volatile content) | Approx. 200 mg KOH/g |
| non-volatile content | Approx. 90 % |
| solvent | butyl acetate |
| viscosity at 23°C (as supplied) | Approx. 9,000 mPas |

SOLUBILITY

| | |
|-----------------------------|---------------|
| Water | Xylene |
| ● | ● |
| Dowanol MPA | Butylacetate |
| ● | ● |
| Methylisobutylketone (MIBK) | Cyclohexanone |
| ● | ● |

● not soluble ● partly soluble ● soluble

PROCESSING INSTRUCTIONS

- Application by spray (incl. electrostatic), dipping or brushing.
- The used solvents should have a water content < 0,05%.

CURING CONDITIONS

- SILIKOTOP® E 900 is crosslinkable with all common aliphatic polyisocyanates
- Air and forced temperature curing are accelerated by suitable catalysts e.g. tin (TIB KAT® 318), bismuth, and zirconium compounds

HANDLING & STORAGE

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture.

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