

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, the product has a shelf life of 24 months from the date of manufacture.

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