

DESCRIPTION

Reactive methyl phenyl silicone resin

KEY BENEFITS

- low viscous methoxy-functional silicone resin
- curing at ambient temperature by catalysis and entering of humidity via a hydrolysis-/condensation reaction
- low smoke and odor development of the completely cured coating at temperature exposure

SUITABILITY

waterborne **solventborne**



high solids



● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- ovens, furnaces, pipelines, incinerators
- heat-stable coatings for industrial facilities
- Protective coatings

TECHNICAL DATA

active matter content Approx. 90 %

appearance clear to hazy colored liquid (product properties are not affected by haziness)

delivery form liquid

solvent xylene

viscosity at 25 °C Approx 130 mPas

SOLUBILITY

Water



Butylacetate



Methylisobutylketone (MIBK)



Dowanol MPA



Cyclohexanon



Butanol



● not soluble ● partly soluble ● suitable

PROCESSING INSTRUCTIONS

- The used raw materials should contain water content < 0.05%.
- Surface pre-treatment: Degreasing and shot-blasting is recommended.
- Use with metallic pigments and special formulations to obtain continuous heat-resistance of up to 650 °C.

BAKING CONDITION

- Recommended addition level for the catalysts (e.g. Tetra-n-butyltitanate : Tetra-N-Methylguanidin = 1:1): 0.5-5% referred on binder (solids). The addition of the catalyst must be carried out just before application (2-pack system).
- Baking is possible after approx. 12 hours of curing at ambient temperature. Forced drying, e.g. in a convection oven, is only possible in presence of air humidity. The cross-linking proceeds via a hydrolysis / condensation reaction.
- The binder cures at ambient temperature in the presence of catalysts.

HANDLING & STORAGE

When stored in an original unopened packaging between -10 and +25°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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