**Silicone resin**

**SILIKOPHEN® AC 900**

**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

**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)
- Xylene
- Dowanol MPA
- Cyclohexanon
- Butanol
  - not soluble
  - partly soluble
  - soluble

**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-butylltitanate : 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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