

SILRES® IC 900

Silicone Resins

SILRES® IC 900 is a solvent free, low molecular, low viscous methyl phenyl silicone resin.

Typical application of SILRES® IC 900 is the use as binder for heat-resistant thick layer and high-solids coatings.

Properties

SILRES® IC 900 offers the following properties:

- solvent free silicone resin with low viscosity
- ideal for high solids formulations
- very good balance of flexibility, hardness and heat resistance (thick layer coatings)
- high solid resin offering more coating formulation options
- good compatibility with organic resins (but preferably used as a sole binder)
- excellent hydrophobicity and corrosion-protection

Applications

- Heat-Resistant Coatings
- Industrial Coatings

Application details

SILRES® IC 900 is mainly used as binder for high temperature resistant thick-layer (> 100 µm) and high solids coatings. SILRES® IC 900 has to be used in combination with a curing catalyst (e.g. GENIOSIL® DAPDM) for a proper crosslinking.

Heat-resistant Coatings

SILRES® IC 900 is suitable for all kinds of heat-resistant coatings. It is an excellent choice for (anti-corrosion) thick-layer and high-solids coatings.

High-heat resistant coating formulations with SILRES® IC 900 in combination with suitable temperature stable pigments and fillers can achieve thermal stability up to 600°C. Aluminum pigments can be used for silver/grey colors and black pigments like iron manganese oxides or copper chromite black spinel for dark black coatings. Platelet-shaped inorganic fillers/extenders like mica or talc are suitable for such formulations. The pigments and fillers must be properly dispersed in the paint. Degreasing/Cleaning and sandblasting of the substrate are recommended for obtaining optimum corrosion resistance and heat stability on metal surfaces. The adhesion will always depend on the specific coating formulation, too. Coating application can be done by spraying, dipping and brushing.

Formulation examples are available on request.

Packaging and storage

Packaging

- 1 kg bottle
- 25 kg Steel can
- 200 kg Steel drum
- 950 kg IBC

Storage

SILRES® IC 900 must be stored in tightly closed original containers with exclusion of moisture.

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SILRES® IC 900



For technical, quality or product safety questions, please contact:

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