

SILIKOPHEN® P 55/X

solventborne binder for heat-resistant anti-corrosion paints

Special features

- excellent air-drying properties
- good compatibility with organic resins

Application

- anti-corrosion coatings for mufflers, ovens, chimneys, oven inserts, barbeques and electric and gas heaters

Processing instructions

- Limited miscibility with aromatic hydrocarbons.
- Use with metallic pigments and special formulations to obtain continuous heat-resistance of up to 650 °C.

Dilution

when diluting with aromatic solvents (toluene, xylene, Solvesso 100) it is recommended to add either isobutanol or a ketone to the aromatics at a ratio of 9:1.

Chemical description

methylphenyl polysiloxane resin

Technical information

- delivery form liquid
- appearance hazy liquid (phase separation may occur during storage of the product, but can be remixed by stirring. The application properties of the product are not affected.)
- non-volatile content approx. 53.5 - 57.5 %
- solvent xylene / isobutanol 30 : 1
- viscosity at 25 °C approx. 20 - 150 mPa s

Baking conditions

- 250 °C/45 min.
- Coatings will give temporary corrosion protection immediately after air-drying. The full protective properties do not develop until coated objects reach operating temperature. Handling and transport is possible without intermediate baking.

FDA/BfR status

SILIKOPHEN® P 55/X cannot be used in compliance with existing regulations in articles intended to come into contact with food.

Registration status

SILIKOPHEN® P 55/X respectively its ingredients are listed in the following chemical inventories: AICS, DSL, EINECS, ENCS, IECSC, PICCS, TSCA.

Packaging

steel drum with bung 200 kg

Storage stability

- 12 months in unopened containers. However, contact with tin (e.g. with metal containers) will shorten storage stability .
- Keep dry. Contact with moisture causes gelation.

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