

SILIKOPHEN® P 40/W

methylphenyl polysiloxane resin, non-ionic dispersion

Special features

- excellent air-drying properties
- good compatibility with organic polymer emulsions
- water-reducible

Technical information

delivery form	emulsion
appearance	white, turbid liquid
non-volatile content	approx. 50 %
solvent	isobutanol / xylene 1 : 3
ionic charge	non-ionic
efflux time DIN 6 mm/23 °C	approx. 38 s
pH value (as supplied)	approx. 6
water content [%]	approx. 38 %

Suitability for

waterborne	clear coat
●	○
pigmented	
●	

● = suitable ... ○ = not suitable

Application

- high temperature applications for mufflers, ovens, chimneys, oven inserts, barbecues and electric and gas heaters
- heat-resistant decorative coatings
- anti-corrosion coatings (depending on formulation)

Processing instructions

- Prior to use mix briefly with low shear-forces.
- Addition as supplied is recommended.
- Use with temperature stable pigments for continuous heat-resistance up to 350 °C.
- Use with metallic pigments and special formulations to obtain continuous heat-resistance of up to 650 °C.

Dilution

Dilutable with water.

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.

Registration status

SILIKOPHEN® P 40/W respectively its ingredients are listed in the following chemical inventories: AICS, DSL, ECL, EINECS, ENCS, IECSC, PICCS, TSCA, NZIOC, TCSI.

All intentional ingredients are listed on the DSL (Domestic Substance List) inventory or have been notified pursuant to the NSN (New Substances Notification) regulations.

All intentional ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

Further information on regulatory topics can be found on the Regulatory Data Sheet.

All intentional ingredients are listed on the ECL inventory or comply with the Polymer Exemption criteria.

All intentional ingredients are listed on the PICCS inventory or comply with the Polymer Exemption criteria.

Packaging

- plastic L-ring drum 200 kg
- container 1000 kg

Storage stability

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 12 months from the date of manufacture.

However, contact with tin (e.g. with metal containers) will shorten storage stability.

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(Status: 11/2015)