

Protectosil® 100 WOK

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Technical Data

Properties and test methods	Value	Unit	Method
Viscosity (20 °C)	approx. 0.7	mPa.s	DIN 53015
Boiling point	137	°C	DIN 51751 (1012 hPa)
Flash point	35	°C	DIN 51755
Appearance	free-flowing, colorless liquid	-	-
Density (20 °C)	approx. 0.94	g/cm ³	DIN 51757

Reactivity

Protectosil® 100 WOK Properties:

- solvent-free product
- low volatility
- water-vapour-permeable, colourless impregnation
- not film-forming
- effective on hairline cracks up to 0.3 mm
- considerable reduction in the water absorption
- very good penetration
- very high alkali resistance
- frost resistant

Properties and Use

For the waterproofing of mineral substrates, in particular substrates of low porosity. The thinned ethanol-based solution is particularly suitable for the water-repellent impregnation of absorbent mineral facade construction materials such as e.g.:

- brickwork
- slightly absorbent clinker masonry
- exposed-aggregate concrete
- mineral plaster facades
- sand-lime brickwork
- ceramic tiles and
- autoclaved aerated concrete

Application

Protectosil® 100 WOK can also be used in diluted form. We recommend the use of a 40% solution of the active ingredient in **anhydrous** (absolute) ethanol.

4 parts by volume of Protectosil® 100 WOK are poured into a clean container and mixed with 6 parts by volume of **anhydrous** (absolute) ethanol. After stirring briefly, the solution is ready for use.

Processing

Protectosil® 100 WOK must be applied by flow-coating to saturation point. This is achieved by allowing it to flow without pressure against the surface to be treated. All delivery devices for liquids are suitable (airless sprayguns, for example). The material must not be atomized or applied with a brush.

Protectosil® 100 WOK must remain in contact with the substrate for several seconds as a liquid film. Horizontal surfaces should have a shiny, wet appearance for 3-5 seconds. Vertical surfaces should exhibit a 30-50 cm shiny curtain of liquid.

All equipment and containers must be clean and dry. After use they can be cleaned with any organic solvent (methylated spirit, petrol or thinners).

Non-absorbent substrates such as, for example, glass, wood, plastic and metal cannot be treated with Protectosil® 100 WOK. In the worst case, the product not absorbed by the substrate may react with atmospheric moisture to form a greasy, glossy silicone resin film. Substrates such as those mentioned above should therefore be covered before the application. If they are nevertheless contaminated, the resulting film can be easily removed if cleaned immediately using conventional cleaning agents, or alcohol (spirit of soap) in difficult cases.

Glass, wood and metal are not attacked by Protectosil® 100 WOK. Neither are most plastics used in construction. If in doubt, carry out a preliminary test.

Plants in the vicinity of the substrate to be treated should be protected against contact with Protectosil® 100 WOK.

Safety and Handling

Before considering the use of Protectosil® products please read its Safety Data sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Safety Data Sheet is available after registration on our website www.protectosil.com or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

Packaging and Storage

Provided that moisture is excluded, Protectosil® 100 WOK has a shelf life of more than twelve months. Containers must be kept tightly sealed and protected from moisture. Protectosil® 100 WOK is supplied in 25 l and 200 l plastic lined steel drums.

Registration

Protectosil® 100 WOK

DSL/NDSL (Canada):	Yes
PICCS (Philippines):	Yes
ECL (South Korea):	Yes
IECSC (P.R. China):	Yes
ENCS (Japan):	Yes
TSCA/PMN (USA):	Yes
AICS (Australia):	Yes
EINECS/ELINCS (EU):	Yes

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