



SILIPUR® 9101

Polyurethane primer

PRODUCT DESCRIPTION

Usage / Properties:

SILIPUR® 9101 is:

- solvent free
- single component
- polyurethane resin based
- unfilled
- not pigmented

SILIPUR® 9101 is suitable for:

- as special, quick curing primer on mineral based substrates like underneath beadboard floors, laminate, floorboards and pvc flooring

Special properties of SILIPUR® 9101:

- quick curing
- low viscous
- strong capillary activity
- serves as pore-filler, for the strengthening of the surface edges and to improve adhesion of the adhesive.

Colour / delivery unit / Shelf life

Colour:	Transparent, brownish
Delivery unit:	5,5kg, 11kg; further container sizes on request
Shelf life:	6 months after production date
	Dry, cool, and free of frost in original containers

TECHNICAL DATA

Density at 23°C / 50 % rel. hum. of air	Approx. 1,15 g/cm ³
Adhesive strength	> concrete fracture
Solid contents	approx. 99 %
Viscosity (25°C, V03.1, V03.4)	approx. 250 – 350 mPas
Material consumption:	100 – 350 g/m ² per layer
	10 – 15 minutes (30°C)
Processing time (at 50% rel. hum. of air)	20 – 30 minutes (20°C)
	40 – 60 minutes (10°C)
Tack free time (at 50% rel. hum. of air)	min. 1 – 2 hours, max. 12 hours at 30 °C
	min. 2 – 4 hours, max. 24 hours at 20 °C
	min. 4 – 8 hours, max. 48 hours at 10°C
Curing (complete mechanical stress at 50% rel. hum. of air))	3 days (30 °C)
	7 days (20 °C)
	10 days (10 °C)

Processing:

Substrate:

The substrate must be non-slip, clean, to be able to take loads and to be free of separating substances like fats, oils, etc. and at least dry. Proper substrate treatment by e.g. shot blasting or similar processes is necessary for a sufficient bond to the substrate. Dependent on the preparation work done to the substrate, the material use may vary.

Tools:

Roller with short or medium sized fur, rubber slider

Mixing:

Shake the container thoroughly before applying

Application:

The product is poured onto the surface, applied with a rubber slider and spread evenly using a roller with short or medium sized fur in a criss-cross pattern.

General:

Material, air, and substrate temperatures must be measured and must be between 10 °C and 30 °C during the whole application. The material should not be in direct sunlight or applied on hot substrates as the processing time will drastically shorten.

Furthermore, care must be considered that the substrate temperature is always 3 °C above the dew point temperature.

Relative humidity of air should be between 40% and 80% at all time

The product should be applied at a constant or decreasing temperature in order to avoid blistering by expansion of air in the substrate. Good ventilation after application and during curing must be ensured.

During the complete curing phase, the area has to be protected against direct contact with water.

When exposed to UV radiation, a certain change in colour and shade or chalking must be expected.

Cleaning

For cleaning the tools, we recommend using our **R 1001**.

Hardened material can only be removed mechanically.

CE-LABELLING

Products which fall under specifications regulated by a harmonized standard or for which a European Technical Assessment has been issued have to be labelled in accordance with Annex III of Regulation (EU) No 305/2011 (Construction Products Regulation) with the CE-mark.

EN 13813: 2002 „Screed material and floor screeds – screed materials – properties and requirements“ sets the rules for screed materials used for floor construction indoors. Coatings and Sealers are included in this regulation as well.

For more detailed information please refer to the corresponding declaration of performance.

SAFETY INFORMATION:

Only for professional users.

For safe handling of polyurethane resins and their curing agents we do recommend attention to the following leaflets as a matter of principle:

Leaflet M044, Manufacturing and use of polyurethanes / isocyanates. (Ed.:Berufsgenossenschaft der Chemischen Industrie). Furthermore, the relevant physical, safety-related, toxicological and ecological data have to be taken from the specific material safety data sheets.

Disposal:

Completely cured material may be disposed via domestic waste.

Hand residual emptied units over to Recycling.

Liquid material must be disposed of as paint waste which contains solvents or other dangerous substances.

VOC-Directive 2004/42/EG:
Category IIA/j Type Ib < 500 g/l VOC
(limit 2010)

Data base:

The determination of all the data and application information is based on laboratory tests. Measured values in practice may differ because of influences beyond our control.

Legal foundation:

The following specifications as well as the recommendations for handling and use of our products are based upon our knowledge and experience under normal conditions, at proper storing and application. Because of different materials, substrates and working conditions other than given normal values, a warranty of a working result or a liability – for whatever legal relationship - cannot be justified from these instructions or a verbal guidance respectively, unless intent or gross fault can be imputed to us. Here, the user must prove that he had transferred in written form, in time and completely every knowledge that is necessary for an appropriate and promising estimation. The user is obliged to test the products on their suitability for the intended purpose. Incidentally, our respective terms and conditions of business are valid. You get these on www.wst-quarz.de. Only the newest edition of this technical data sheet is valid.

**WST Quarz GmbH
LISE-MEITNER-STRASSE 5
46569 HÜNXE**

**TELEFON: +49 (0)281 944 03 10
FAX: +49 (0)281 944 03 33
info@wst-quarz.de
www.wst-quarz.de**