



## SILIPOX® 7101      Epoxy based primer for oily substrates

### PRODUCT DESCRIPTION

#### Usage / Properties:

##### SILIPOX® 7101 is:

- unfilled
- contains solvents
- based on epoxy resin
- pigmented

##### SILIPOX® 7101 is suitable for:

- as special primer for oily, cement-bound substrates which have been cleaned with R 1002 beforehand.
- as a barrier against oil

##### Special properties of SILIPOX® 7101:

- low to medium viscous
- very good capillary activity
- very good adhesion on damp surfaces
- protects further coatings against oils from the substrate

#### Colour / delivery unit / Shelf life

Colour:	Light grey
Delivery unit:	30 kg; further container sizes on request
Shelf life:	12 months after production date
	Dry, cool and free of frost

## TECHNICAL DATA

Density at 23°C / 50 % rel. hum. of air	Approx..1,90 g/cm <sup>3</sup>
Adhesive strength	> concrete fracture
Solid contents	Approx. 95 %
Shore-hardness	D 84 - 90
Viscosity (25°C, V03.1, V03.4)	Component A: 2.100 – 3.100 mPas
	Component B: 0 – 10 mPas
	Mixture (A + B): Approx. 450 mPas
Mixing ratio:	100 : 12 (by weight)
	56 : 12 (by volume)
Material consumption:	600 – 800 g/m <sup>2</sup> on smooth substrates
	800 – 1200 g/m <sup>2</sup> on rough surfaces
	205 – 35 minutes (30°C)
Processing time (at 50% rel. hum. of air)	50 – 70 minutes (20°C)
	90 – 110 minutes (10°C)
	min. 6 – 8 hours, max. 12 hours at 30 °C
Tack free time (at 50% rel. hum. of air)	min. 12 – 16 hours, max. 24 hours at 20 °C
	min. 24 – 36 hours, max. 48 hours at 10 °C
	3 days (30 °C)
Curing (complete mechanical stress at 50% rel. hum. of air))	7 days (20 °C)
	10 days (10 °C)

## Processing:

### Substrate:

The substrate must be clean (thoroughly cleaned with R 1002), dry, catchy and able to take loads.

A proper treatment of the substrate e.g. by shot-blasting or similar is necessary for maximal adhesion. Dependent on the preparation and on the roughness of the surface, the material usage may vary.

### Tools:

Rubber slider, roller with short or medium-sized fur

**Mixing:**

Pour the curing agent completely into the main component. Mix intensively with a slow rotating stirrer (recommendation: double stirrer with shafts that rotate in opposite directions). Pour into a different vessel and mix there intensively again to avoid bad spots.

Before applying onto the substrate, a homogeneous mass, free of streaks must be achieved.

**Application:**

As sealing material, the product is poured onto the prepared area, applied with a rubber sweeper if applicable and uniformly spread criss-cross by use of a roller with short or medium-sized fur.

Within the recoating time, the next coat can be directly applied. If the recoating time has been exceeded, the surface needs to be prepared by means of sanding or similar. The oil barrier cannot be sprinkled under any circumstance, as the barrier function will be lost.

**General:**

Material, air and substrate temperatures must be measured and must be between 10 °C and 30 °C during the whole application.

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

Relative humidity of air may not exceed 80 %.

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 with epoxy resins.

**Cleaning**

For cleaning the tools, we recommend our **R 1000**.

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:**

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

Leaflet BG-Regel BGR 227, Handling of Epoxy resins. (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

Data base:

The determination of all the data and application information is based in 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.gremmler.de](http://www.gremmler.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**