SILIPUR® 6232 Decorative binder

PRODUCT DESCRIPTION

Usage / Properties:

SILIPUR® 6232 is:

- light and weather resistant
- solvent free
- polyurethane-resin based
- unfilled
- not pigmented

SILIPUR® 6232 is suitable for:

- as binder for WST decorative coatings
- as solvent free sealant

Special properties of SILIPUR® 6232:

- light and weather resistant
- dual component
- elastic
- low odour

Colour / delivery unit / Shelf life

Colour:	Transparent, glossy
Delivery unit:	5 kg; 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. 1,13 g/cm³
Solid contents	100 %
Shore-hardness	D 60
Mixture viscosity (25°C, V03.1, V03.4)	approx. 2.100 mPas
Mixing ratio	1 : 1 (by weight) 100 : 95 (by volume)
Material consumption:	as sealant approx. 200 – 300 g/m² as binder for WST decorative coatings approx. 8 – 9 % of the amount of colour quartz or marble. Values dependent on the grading curve and open porosity of the finished layer.
Processing time (at 50% rel. hum. of air)	10 – 15 minutes (30°C) 20 – 35 minutes (20°C)
Tack free time (at 50% rel. hum. of air)	min. 12 – 14 hours, max. 24 hours at 30 °C min. 18 – 24 hours, max. 48 hours at 20 °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. After the treatment, the peel strength should be at least 1,5 N/mm². The residual moisture in the substrate should not exceed 4%. Furthermore, rearward moisture penetration should be excluded.

The coating is applied on a prepared and primed substrate. Dependent on the preparation work done to the substrate, the material usage may vary. For outside areas, an appropriate slope is necessary. Furthermore, a water bearing layer, e.g. with liquid foil SILIPUR® 6301, must be used.

Tools:

Roller with short or medium sized fur, metal profiles, smoothing trowels etc.

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 again to avoid bad spots.

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

Application:

As sealant for WST decorative coatings, the product is applied evenly using a roller with short or medium sized fur in a criss-cross pattern.

To avoid “puddle formation”, it is important that the roller soaked with SILIPUR® 6232 is rolled up on a foil beforehand. Furthermore, it is essential to ensure an even application in order to avoid forming and visual impairments. Upon bigger areas, care regarding the processing time has to be considered to avoid / minimize edges and differences in colour.

By manufacturing WST decorative and drainable coatings, the binder is homogeneously mixed, spread onto the area in portions and then compressed with the according pressure. R 1001 can be used in small amounts to clean the tools, especially the smoothing trowel. Attention needs to be paid that R 1001 does not contact the surface under any circumstance.

General:

Material, air, and substrate temperatures must be measured and must be between 15 °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 not exceed 75 % at any 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.

SILIPUR® 6232 is not constantly resistant against plasticisers and can therefore not be used to park vehicles with rubber tires.

The coating of dew-damp substrates, the use of damp aggregates or drops of perspiration during application can lead to foaming of the material or to curing problems and should therefore be avoided.

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 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 lb < 140 g/l VOC
(limit 2010)

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. Only the newest edition of this technical data sheet is valid.

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