

Technical Data Sheet

StoPox SK 100

EP adhesive filler



Characteristics

Area of application

- as an adhesive for the StoSeal D 100 joint sealing tape
- as a non-sag filler for levelling blasting roughness
- for levelling pores and blow-holes

Properties

- optimum non-sag properties

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Shore hardness type D	DIN 53505-D/EN ISO 868	62 - 68	
Density (mixture 23 °C)	EN ISO 2811	1,55 - 1,65 g/cm ³	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

Requirements

The substrate must be dry, load-bearing, and free from native and foreign release agents.
Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.

Substrate temperature higher than +8 °C and 3 K above dew point.
Average bond strength: 1.5 N/mm²
Bond strength, lowest single value: 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process, such as abrasive blasting or high-pressure water blasting (> 800 bar).
Open pores and blow-holes sufficiently.

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Application

Application temperature Lowest application temperature: +8 °C
Highest application temperature: +30 °C

Time for application At +10 °C: approx. 90 minutes
at +20 °C: approx. 40 minutes
At +30 °C: approx. 25 minutes

Mixing ratio component A : component B = 100.0 : 25.0 parts by weight

Material preparation Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions. Stir component A, then add all of component B.
Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops. It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time is at least 3 minutes.
After mixing, pour the compound into a clean container and mix again.
Do not apply from the delivery container!

The temperature of the individual components must be at least +15 °C when mixing.

Consumption	Type of application	Approx. consumption	
	StoSeal D 100 running metre	1,2 - 1,8	kg/m

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Coating build-up 1) Substrate preparation
2) StoPox SK 100 adhesive layer
3) StoSeal D 100 joint sealing tape
4) StoPox SK 100 finishing coat

Application

1) Substrate preparation
Do not activate StoSeal D 100.

required minimum width of the joint sealing tape:
each adhesive zone 40 mm
movement zone: joint movement x 10

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Cut the joint sealing tape to size for details such as internal and external corners. When cutting to size, create overlaps of 40 mm. Weld individual segments together using hot air.

Border the sides of the adhesive zone with masking tape. Mask the substrate over the movement zone.

2) StoPox SK 100 adhesive layer Apply StoPox SK 100 to the prepared adhesive surface on both sides of the movement zone with a notched trowel in approx. 1–2 mm layer thickness.
Remove the masking tape over the movement zone.

3) Joint sealing tape StoSeal D 100
Align StoSeal D 100 over the movement zone and embed in the fresh adhesive. Form the joint sealing tape into a loop over movement joints.
Remove entrapped air in the adhesive zone by pressing.
Remove excess adhesive. Remove the masking tape.
Leave StoPox SK 100 to start to react.
Mask StoSeal D 100 with masking tape over the movement zone.

4) Finishing coat of StoPox SK 100
Trowel StoPox SK 100 over the adhesive surfaces and joint sealing tape on both sides of the movement zone in an approx. 1–2 mm layer thickness. Run the levelling coat down to zero at the margins.
Remove masking tapes.
If applying subsequent coatings, broadcast the fresh levelling coat with quartz sand.

Mechanical protection:
Protect the joint sealing tape from mechanical damage throughout the entire construction phase! It is possible to use metal strips, rubber granulate mats, or extruded polystyrene boards for this purpose. Protect the joint sealing tape from long-lasting temperatures over +70 °C.

Resistance
Good resistance to: water-based, bituminous foundation coatings; water; cement, lime, and sea water; public wastewater; UV radiation; microorganisms.
Limited resistance to: alkalis/acids, organic solvents (hydrocarbons, esters, ketones).

Cleaning the tools

Clean with StoDivers EV 100 immediately after use.

Notes, recommendations, special information,

General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

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miscellaneous

Delivery

Packaging pail and tin

Article number	Name	Container
01474/007	StoPox SK 100 Set	15 kg set

Storage

Storage conditions Store in dry and frost-free conditions. Avoid direct sunlight.

Storage life In the original container until ... (see packaging).

Identification

Product group Adhesive filler

GISCODE RE90

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.

You will receive an EU Safety Data Sheet with your first order.

Please observe the information regarding the handling of the product, its storage, and disposal.

Handling epoxy resins: "Praxisleitfaden für den Umgang mit Epoxidharzen", (Practical guide for handling epoxy resins) and

test report: "Prüfbericht zur Schutzwirkung von acht

Chemikalienschutzhandschuhen gegenüber EP-Beschichtungen" (Test report on the protective effect of eight chemical protective gloves against EP coatings),

Gloves: "Handschuhe für den Umgang mit lösemittelfreien Epoxidharzen" (Gloves for handling solvent-free epoxy resins), and

Protective gloves: "Die richtige Anwendung von Schutzhandschuhen" (The correct use of protective gloves)

<https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang-mit-epoxidharzen/>

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Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"

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Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

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