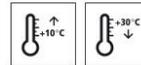


Technical Data Sheet

StoPox LH

EP laminating resin



Characteristics

Area of application • for bonding unidirectional carbon fibre fabric onto concrete structures (concrete and reinforced concrete)

Properties • very good bond to the substrate and to the materials to be bonded
• very good saturation of the non-woven mesh
• very good adhesive strength

Information/notes • product for strengthening structures in accordance with the assessment directives of the DAfStb (German Committee for Reinforced Concrete)

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density (mixture 23 °C)	EN ISO 2811	1,07 - 1,13 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 Requirements on the substrate:
See the Sto S&P C-Sheet technical data sheets

Application

Application temperature Lowest application temperature: +10 °C
Highest application temperature: +30 °C

Mixing ratio component A : component B = 100.0 : 33.3 parts by weight

Material preparation

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

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vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time is approx. 3 minutes. After mixing, transfer the material into a clean container and stir it thoroughly once again. Do not apply from the delivery container!

Consumption	Type	Approx. consumption
		0,8 kg/m ²
<p>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.</p>		
Coating build-up	<p>1) Filler and levelling coat for unevenness < 4 mm with StoPox SK 41 filler and levelling coat for unevenness > 4 mm with StoPox KSH thix plus StoPox Mörtel standfest 2) Application of Sto S&P C-Sheets</p>	
Application	<p>1) Filling and levelling unevenness: Unevenness < 4 mm can be levelled with StoPox SK 41. Unevenness of 4 - 30 mm can be levelled with StoPox KSH thix and StoPox Mörtel standfest in several layers.</p> <p>Consumption: StoPox KSH thix approx. 0.5 - 0.8 kg/m², StoPox Mörtel standfest approx. 1.7 kg/m² per mm layer thickness</p> <p>2) Application of Sto S&P C-Sheets: Sto S&P C-Sheet 240/200, Sto S&P C-Sheet 240/300, Sto S C-Sheet 640/400&P</p> <p>applying the StoPox LH laminating resin Apply full-faced the homogeneously mixed StoPox LH laminating resin to the substrate with a Moltopren roller.</p> <p>consumption: approx. 0.8 kg/m² per application cycle</p> <p>Inserting the Sto S&P C-Sheet After removing the protective film (if present), wrap the Sto S&P C-Sheet with the uncovered side around the support overlapping slightly and fix lightly by hand (wear suitable protective gloves).&P</p> <p>Please ensure that the film on the other side of the Sto S&P Sheet is also removed during rolling. The Sto S&P C-Sheet is then penetrated with a rubber lip so that it is completely</p>	

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saturated with StoPox resin.
The rubber lip may only be pulled in the direction of the grain.

A further layer of StoPox LH is then applied directly on to the Sto S C-Sheet and evenly spread as previously described.

The minimum overlapping amount where the non-woven mesh adjoins is 250 mm in the grain direction.&P
Avoid vibrations in the vulnerable area of reinforcement for approx. 2 days during the laminating resin's hardening.

checking the reinforcement:
Once the adhesive has hardened, check the sheets for cavities by tapping them. The evenness of the sheet surface may not deviate across a test stretch of 30 cm by more than 1 mm.

Note:
Avoid damage of any kind to ensure the proper functioning of the Sto S C-Sheets!

For fire protection purposes, please observe that the StoPox LH laminate resin and the Sto S&P C-sheet only have limited temperature resistance.

Cleaning the tools	After use, clean immediately with StoCryl VV
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Notes, recommendations, special information, miscellaneous	General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.
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Delivery

Packaging	pail and tin
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Article number	Name	Container
14308/006	StoPox LH Set	4 kg set

Storage

Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.
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Storage life	In the original container until ... (see packaging).
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Identification

Product group	Laminating resin
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StoPox LH

GISCODE

RE55

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.

Technical Data Sheet

StoPox LH

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