

Technical Data Sheet

StoPox EPA P

Two components, solvent-free, epoxy resin adhesive



Characteristics

Area of application

- For bonding new cementitious materials to existing concrete
- For bonding steel to concrete (e.g bolts, starter bars, anchors and dowel bars)
- As a surface sealer prior to crack injection
- As a patching compound for small pot holes

Properties

- Easily applied by trowel to horizontal or vertical surfaces (up to 10 mm) without slump
- Excellent adhesion to concrete
- Develops high mechanical strength without shrinkage stress

Appearance

- Light grey

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Density		1.70 g/cm ³	
Adhesion pull-out	ASTM D 7234	> 2.5 N/mm ²	
Tensile strength	ASTM C 307	> 16 N/mm ²	
Compressive strength	ASTM C579	> 60 N/mm ²	
Slant shear bond strength	ASTM C882 / C882M	> 28 N/mm ²	

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

Preparation

The substrate to be treated must be dry, firm and free from any deleterious substances which may prevent good adhesion.
If necessary, lightly sand-blast, shot-blast or grind the surface prior to application.

Application

Application temperature

Lowest application temperature: +8°C
Highest application temperature: +45°C

Time for application

At +25°C: approx. 45 mins minutes
At +30°C: approx. 25 mins minutes

Mixing ratio

Component A : Component B
3.29 : 1 parts by weight
2.80 : 1 parts by volume

Consumption

Type of application	Approx. consumption
Coverage rate	1.70 kg/m ² /mm/thickness

Material consumption/mix design 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.

Technical Data Sheet

StoPox EPA P

Material Preparation	<p>StoPox EPA P is supplied in a pre-weighed unit.</p> <p>Stir Component A and Component B individually until homogenous.</p> <p>Pour Component B into Component A and mix both components thoroughly at a low speed until a fully homogenous compound (light grey) is obtained. Use immediately.</p> <p>If partial mixing is required, mix only the quantity which can be placed within the prescribed setting time. Mix both components thoroughly using a scrapper or suitable low speed mixer.</p>				
Placing Procedure	StoPox EPA P can be applied to one or both surfaces. Ensure just sufficient adhesive is applied to fill the joint when closed				
Drying, curing, ready for next coat	<p>At +30°C:</p> <table border="0"> <tr> <td>Initial set</td> <td>approx. 2 hours</td> </tr> <tr> <td>Full cure</td> <td>7 days</td> </tr> </table>	Initial set	approx. 2 hours	Full cure	7 days
Initial set	approx. 2 hours				
Full cure	7 days				
Cleaning the tools	Tools must be cleaned immediately after use with clean solvent.				
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.				

Delivery

Packaging	Name	Packing
	StoPox EPA P	1 kg set
	StoPox EPA P	5 kg set
	StoPox EPA P	10 kg set

Storage

Storage conditions	Store in cool dry conditions; avoid direct sunlight.
Storage life	This product has a shelf life of 12 months from the manufacturing date.

Identification

Product group	Adhesive
Safety	Please refer to Safety Data Sheet.

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 www.sto-sea.com.

Technical Data Sheet

StoPox EPA P

Sto SEA Pte Ltd

159 Sin Ming Road
#06-02 Amtech Building
Singapore 575625
Phone: +65 6453 3080
Fax : +65 6453 3543
info.sg@sto.com
www.sto-sea.com

Sto SEA Sdn Bhd

28, Jalan Rajawali 3
Bandar Puchong Jaya,
47170 Selangor, Malaysia
Phone: +60 3 8080 9066
Fax: +60 3 8080 9255
info.my@sto.com
www.sto-sea.com

Sto SEA Pte Ltd

3656/49-52 Green Tower, 16th Floor
Rama IV Rd, Klongton, Klongtoei,
10110 Bangkok, Thailand
Phone: +66 2 1684 921 Ext. 230
Fax: +66 2 1684 999
info.sg@sto.com
www.sto-sea.com

StoCretec GmbH

Gutenbergstr. 6
65830 Kriftel,
Germany
Phone: +49 6192 401 104
Fax: +49 6192 401 105
info.sg@sto.com
www.sto-sea.com

*Product images may differ from the actual product.