

# Technical Data Sheet

## StoPox EPA P

Two components, solvent-free, epoxy resin adhesive



### Characteristics

#### Area of application

- Used in narrow load-bearing gaps such as between precast concrete elements in bridge construction and steel plates to concrete in eternal steel reinforcement repair
- Used to bond bolts and starter bars placed in horizontal position
- As a surface sealer prior to crack injection
- As a patching compound for small pot holes

#### Properties

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

### Technical data

Criteria	Standard / test specification	Value / Unit	Notes
Density		1.70 g/cm <sup>3</sup>	
Adhesion pull-out @ 7 days	ASTM D 4541	1.8 N/mm <sup>2</sup>	
Tensile strength @ 7 days	ASTM C 307	16 N/mm <sup>2</sup>	
Compressive strength @ 7 days		> 75 N/mm <sup>2</sup>	
Flexural strength @ 7 days		> 30 N/mm <sup>2</sup>	
Slant shear bond strength @7 days	ASTM C882 / C882M	> 20 N/mm <sup>2</sup>	
Elongation at break		1 %	

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

Before mixing the adhesive, ensure that the surfaces to be bonded are placed in proximity so that the joint can be closed and stressed within the open time.

For improved adhesion, care must be taken that the surfaces to be bonded are properly prepared to remove any contaminations or laitance. Keep the surface dry.

### Application

#### Application temperature

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

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<b>Curing Time</b>	At +25°C: Initial set            2 hours Full cure                7 days.
<b>Mixing ratio</b>	Component A : Component B = 3.29 : 1 parts by weight 2.80 : 1 parts by volume
<b>Consumption</b>	The coverage rate is approximately 1.70 kg/m <sup>2</sup> /mm thickness
<b>Material preparation</b>	StoPox EPA P is supplied in a pre-weighed unit.  Stir Component A and Component B individually until homogenous. 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.
<b>Coating procedure</b>	StoPox EPA P can be applied to one or both surfaces. Ensure just sufficient adhesive is applied to fill the joint when closed
<b>Working life</b>	Approx. 75 mins @ 25°C
<b>Cleaning the tools</b>	Clean tools with thinner immediately after use.
<b>Delivery</b>	
<b>Colour shade</b>	Light grey
<b>Packaging</b>	1 kg set, 5 kg set, 10 kg set
<b>Storage</b>	
<b>Storage life &amp; conditions</b>	This product has a shelf life of 12 months from the manufacturing date. Product should always be stored in an unopened bag, dry place, protected from rain, direct sunlight and raised off the floor.
<b>Special notes</b>	
<b>Health &amp; Safety</b>	Please refer to Safety Data Sheet
<b>Technical Support</b>	Please consult the local sales office for further information and any site assistance required.
<p>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.</p> <p>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.</p> <p>When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on <a href="http://www.sto-sea.com">www.sto-sea.com</a>.</p>	

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### 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](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://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](mailto:info.my@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Pte Ltd**  
3656/49-52 Green Tower, 16<sup>th</sup> 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](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://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](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

\*Product images may differ from the actual product.