

# Technical Data Sheet

## StoPox EPA P

Two-components, solvent-free, epoxy resin adhesive

### Characteristics

<b>Functionality</b>	<ul style="list-style-type: none"> <li>• Can be applied easily by trowel to horizontal or vertical surfaces (up to 10mm) without slump</li> <li>• Excellent adhesion to concrete</li> <li>• Develops high mechanical strength without shrinkage stress</li> </ul>
----------------------	---

<b>Application</b>	Apply using trowel or scraper
--------------------	-------------------------------

### Area of use

- Used in narrow load-bearing gaps such as between pre-cast concrete elements in bridge construction and steel plates to concrete in external 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 potholes

### Technical data

Data	Criteria	Test Standard	Value	Unit
	Density		1.57	g/cm <sup>3</sup>
	Adhesion pull-out @ 7 days	ASTM D4541	1.8	N/mm <sup>2</sup>
	Tensile strength @ 7 days	ASTM C307	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 hours		5	N/mm <sup>2</sup>
	Slant-shear bond strength @ 48 hours		15	N/mm <sup>2</sup>
	Elongation at break		1	%

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

### Application

<b>Substrate preparation</b>	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 contamination or laitance. Keep the surface dry.
------------------------------	--

<b>Material preparation</b>	StoPox EPA P is supplied in a pre-weighed unit. Stir Component A until homogenous (white). Shake Component B container gently to suspend the pigment and pour it into Component A. Mix mechanically at slow speed until it is uniform light-grey in colour. 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.
--------------------------	--

# Technical Data Sheet

## StoPox EPA P

### Application

<b>Working life</b>	Approx. 75 mins @ 25°C
<b>Curing time</b>	<u>At 25°C</u> Initial set 2 hours Full cure 7 days
<b>Consumption</b>	The coverage rate is approximately 1.60kg/m <sup>2</sup> /mm thickness.
<b>Application temperature</b>	Minimum application temperature +8°C Maximum application temperature +45°C
<b>Cleaning of tools</b>	Tools must be cleaned immediately after use with thinner.

### Delivery

<b>Colour</b>	Light grey
<b>Packing</b>	StoPox EPA P is available in 1kg, 5kg & 10kg set.

### Storage

<b>Storage life/conditions</b>	The shelf life of StoPox EPA P is approximately 12 months if stored in cool dry conditions.
--------------------------------	---

### Special notes

<b>Safety Precautions</b>	After full curing, StoPox EPA P is physiologically harmless. Keep the resin and hardener away from eyes, mouth and skin. Do not inhale vapour. Protective gloves should be used when handling these product. If skin contact with resin occurs, cleaned immediately with soap and plenty of water. DO NOT use solvent. The use of goggles is recommended, however, should accidental eye contamination occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.
---------------------------	---

<b>Technical Support</b>	Please consult Sto SEA Technical Service Department or the local sales office for further information and any site assistance required.
--------------------------	---

<b>Disclaimer</b>	Sto Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions. Whilst efforts are made to ensure that any advice, recommendation, specification or information STO SEA may give is accurate and correct, it cannot accept any liability either directly or indirectly arising from the use of its products as it has no direct or continuous control over where or how the products are applied, whether or not in accordance with any advice, specification, recommendation or information given by it. If any product fails to conform, STO SEA will replace the product at no cost to the buyer. Replacement of any products shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within six months from the date of the claimed breach. Buyers shall be solely responsible for determining the suitability of products for their intended use.
-------------------	---

## Technical Data Sheet

---

### **StoPox EPA P**

---

**Sto SEA Pte. Ltd.**  
159 Sin Ming Road  
#03-08 Amtech Building  
Singapore 575625  
Singapore  
Phone +65 6453 3080  
Fax +65 6453 6991  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Sdn. Bhd.**  
No. 21 Jalan Rajawali 2,  
Bandar Puchong Jaya,  
47100 Puchong, Selangor  
Malaysia  
Phone +603 8070 8133  
Fax +603 8070 9133  
[www.sto-sea.com](http://www.sto-sea.com)