

Technical Data Sheet

StoPox EPA P

Two-components, solvent-free, epoxy resin adhesive



Characteristics

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

Application 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 ³
	Adhesion pull-out @ 7 days	ASTM D4541	1.8	N/mm ²
	Tensile strength @ 7 days	ASTM C307	16	N/mm ²
	Compressive strength @ 7 days		> 75	N/mm ²
	Flexural strength @ 7 days		> 30	N/mm ²
	Slant-shear bond strength @ 7 days	ASTM C882/C882M	> 20	N/mm ²
	Elongation at break		1	%

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

Application

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 contamination or laitance. Keep the surface dry.

Material Preparation 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.

Coating Procedure StoPox EPA P can be applied to one or both surfaces. Ensure just sufficient adhesive is applied to fill the joint when closed.

Working Life Approx. 75 mins @ 25°C

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Application	
Curing Time	At 25°C Initial set 2 hours Full cure 7 days
Consumption	The coverage rate is approximately 1.60 kg/m ² /mm thickness.
Application Temperature	Minimum application temperature + 8°C Maximum application temperature + 45°C
Cleaning Tools	Tools must be cleaned immediately after use with thinner.
Delivery	
Colour	Light Grey
Packing	StoPox EPA P is available in 1 kg set StoPox EPA P is available in 5 kg set StoPox EPA P is available in 10 kg set
Storage	
Storage life / conditions	The shelf life of StoPox EPA P is approximately 12 months if stored in cool dry conditions.
Special Notes	
Safety Precautions	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 this 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.
Technical Support	Please consult Sto Technical Service Centre or the local sales office for further information and any site assistance required.
Disclaimer	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 .

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