

Technical Data Sheet

StoPox EPA

Solvent-free, epoxy-resin concrete bonding agent



Characteristics

- Area of application**
- Cold joints
 - For bonding new cementitious materials to existing cementitious surfaces
 - For use on horizontal and vertical surfaces
 - Ideal for extension and repair to concrete in :-
 - Factories
 - Loading bays
 - Trucking aisles
 - Bridges
 - Roads
 - Cementitious floor toppings

- Properties**
- Excellent adhesion between new and old concrete / mortar
 - High mechanical strength
 - Can be applied to both dry and damp surfaces

- Application**
- Apply by brush, roller or airless spray

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Mixing ratio A : B		3 : 1 pbw	
Compressive Strength	ASTM C579-01	65 N/mm ²	
Slant Shear Bond Strength	ASTM C882-91	15 N/mm ²	
Tensile Pull-Out Strength (old to new concrete)	ASTM C190-85	2.0 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.

Application

- Substrate Preparation**
- All concrete or mortar surfaces to be treated must be clean, sound and free from dust & oil. All laitance should be removed mechanically. The surface should be thoroughly washed with clean water and any surface ponded water should be removed.
-
- Material Preparation**
- Pour the entire contents of the hardener into the resin and mixed the two materials thoroughly until homogenous.
-
- Coating Procedure**
- StoPox EPA should be applied to the prepared surface by brush, roller or spray. The new concrete or screed should be applied to the wet StoPox EPA within 8 hours.
-
- Working Life**
- Approx. 50 – 70 minutes @ 30 °C

Technical Data Sheet

StoPox EPA

Curing Time	Overlay time	4 hours (max.)
	Full cure	7 days

Application

Consumption	The coverage rate is approximately 0.25 – 0.50 kg/m ² ; actual will depend on the texture and porosity of the rate substrate.
--------------------	--

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	Component A	Grey
	Component B	Colourless

Packing	StoPox EPA is available in 1 kg set, 4 kg set and 20 kg set.
----------------	--

Storage

Storage life / conditions	The shelf life of StoPox EPA is approximately 12 months, if stored in cool and dry conditions.
----------------------------------	--

Special notes

Health & Safety	Please refer to Safety Data Sheet
----------------------------	-----------------------------------

Technical Support	Please consult the local sales office for further information and any site assistance required.
--------------------------	---

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.

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.