

Technical Data Sheet

StoPox EPG

Three-components solvent-free, epoxy resin grout



Characteristics

Area of application

- Bridge bearing pads
- High-speed turbines and centrifuges
- Support beneath crane and transport rails
- Load bearing joints between pre-fabricated elements
- Wide cracks in horizontal concrete surfaces
- Structural filling of holes and cavities in concrete
- As an anchoring grout to anchor bolts, masts and reinforcement bar

Properties

- High compressive, flexural and tensile strength
- Good flow properties
- Shrink-free curing to ensure effective contact and support
- Good chemical resistance
- Takes up and transfers tensile and compressive loads
- Good impact resistance
- Ready-to-use pre-weighed packs

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Criteria	Standard / test specification	Value / Unit	Notes
Compressive strength @ 28 days	ASTM C579		
@ 3 days		> 60 N/mm ²	
@ 7 days		> 85 N/mm ²	
Tensile strength @ 7 days	ASTM C307	> 14 N/mm ²	
Flexural strength @ 7 days	ASTM C580	> 30 N/mm ²	
Adhesion strength	ASTM D7234	> 1.5 N/mm ²	
Flow characteristics @ 100mm head			
10mm gap width		max. 800 mm	
40mm gap width		max. 1500 mm	

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

Requirement

The substrate must be sound, dry, load bearing and free from native and foreign substances that have a separating effect. Remove less strong layers and laitance.

Application

Application temperature

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

Time for application

At +25°C : approx. 60 minutes
At +30°C : approx. 45 minutes

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Mixing ratio	Component A : Component B : Component C = 2.7 : 0.9 : 16.4 parts by weight	
Material Preparation	<p>Component A, Component B and Component C are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.</p> <p>Stir Component A, then add all of Component B.</p> <p>Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops. With the mixer still running, add the total contents of the filler Component C. Continue mechanical mixing until all components are thoroughly blended for about 4 – 5 minutes</p> <p>It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener.</p>	
Consumption	Type of application	Yield approximately
	Epoxy grout	0.01 m ³ / 20 kg set
	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	
Application method	Apply by manual pouring	
Placing Procedure	<p>When under filling base plates, pour grout from one side or from a corner to avoid air entrapment.</p> <p>Epoxy grout must be poured continuously until the cavity is completely filled.</p> <p>For voids underneath the plate, gentle strapping may be required to aid the flow.</p> <p>Protect the freshly-placed grout from rain and dew for 4 - 6 hours.</p>	
Drying, curing	<p><u>Curing @ 25°C</u></p> <p>Tack free 13 hours</p> <p>Full cure 7 days</p>	
Cleaning the tools	Tools must be cleaned immediately after use with cleaning 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 EPG	20 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	Mortar and Grout	
Safety	Please refer to Safety Data Sheet.	

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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.

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*Product images may differ from the actual product.