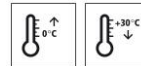


Technical Data Sheet

StoPma EZ 300

PMMA waterproofing for the StoPma balcony system



Characteristics

Area of application

- exterior
- onto cementitious substrates and system-compatible PCC screeds
- for balconies and access balconies

Properties

- polyurethane-modified PMMA
- rapid curing
- suitable for application from 0 °C to 30 °C
- elastic
- crack-bridging

Information/notes

- ETA in accordance with ETAG 005

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	EN ISO 3219	300 - 460 mPa.s	
Shore hardness type D	DIN 53505-D/EN ISO 868	55	
Elongation at break		> 300 %	
Density (mixture 23 °C)	EN ISO 2811	1.36 g/cm³	
Crack bridging	BPG	> 5 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

Requirements

Concrete or cementitious screed: Additives and curing compounds can lead to incompatibility. Test the compatibility of the StoPma GH 300 prime coating with the respective substrate at the project site.

The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM

Technical Data Sheet

StoPma EZ 300

per cent for C35/45 concrete, measured with a calcium carbide meter.
Substrate temperature higher than 0 °C and 3 K above dew point. Average bond strength: 1.5 N/mm² Bond strength, lowest single value: 1.0 N/mm²

Preparations	<p>Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting, or diamond-grinding.</p> <p>Reduce roughness depths > 1.5 mm by e.g. diamond-grinding. A scratch coat as part of the system is not possible. Do not fill the StoPma GH 300 prime coating.</p> <p>For profiling larger recesses or gaps, only use system-compatible StoCrete PCC mortar and StoPox Mörtel standfest. Information about system-compatible PCC mortars is available from the StoCretec Technical Information Centre.</p>
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Application

Application temperature	<p>Lowest application temperature: 0 °C</p> <p>Highest application temperature: +30 °C</p>
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Time for application	At +20 °C: approx. 15 minutes
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Mixing ratio	<p>The amount of catalyst required depends on the temperature of the material and the substrate.</p> <p>30°C 0.7 weight- % StoPma KAT 300 (85 g / 13 kg pail)</p> <p>20°C 1.3 weight- % StoPma KAT 300 (170 g / 13 kg pail)</p> <p>10°C 2.7 weight- % StoPma KAT 300 (350 g / 13 kg pail)</p> <p>0°C 4.0 weight- % StoPma KAT 300 (520 g / 13 kg pail)</p>
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Material preparation	<p>Stir StoPma EZ 300 thoroughly to ensure that the paraffin is evenly distributed.</p> <p>If applying StoPma EZ 300 to steeply inclined or vertical surfaces, it can be filled with up to 2.5 wt% (325 g / 13 kg pail) of StoDivers ST.</p> <p>Before adding the catalyst, stir the StoDivers ST thixotropic additive into the base components and homogenise.</p> <p>Then add exactly the right amount of catalyst.</p> <p>Mix thoroughly with a slow-running paddle mixer (maximum 300 rpm).</p> <p>Mixing time at least 1 minute.</p> <p>Apply immediately.</p>
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Consumption	Type of application	Approx. consumption	
	as large-area waterproofing	2.0	kg/m ²
	as waterproofing in accordance with ETAG 005	2.8	kg/m ²

Technical Data Sheet

StoPma EZ 300

Material consumption 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

Waterproofing in the StoPma balcony system

1) Priming: see the Technical Data Sheet for StoPma GH 300

2) Connections and raised bordering

2.1) Waterproofing: apply StoPma EZ 300 using a rubber squeegee, adhesive comb, or roller. At the free edge, the waterproofing must be approx. 5 cm wider than the mesh insert.

2.2) Lay StoDivers V 310 (width 0.15 m) uncreased into the fresh StoPma EZ 300. Keep a distance of approx. 5 cm to the free edge of the waterproofing. Overlap joints by approx. 10 cm. Laminate in with StoPma EZ 300.

Consumption: StoPma EZ 300 approx. 2.0 kg/m²

3.1) Surface waterproofing: apply StoPma EZ 300 using a rubber squeegee or adhesive comb. Do not de-air with a spiked roller!

Consumption: approx. 2.0 kg/m²

StoPma EZ 300 can be reworked after 60 minutes. Sand down trowel strokes before overcoating.

3.2) Waterproofing with ETA in accordance with ETAG 005

For waterproofing in accordance with ETAG 005, a full-surface mesh insert is required (StoDivers V 300, width 1.02 m). The consumption of StoPma EZ 300 increases to 2.8 kg/m².

Cleaning the tools

After use, clean immediately with StoDivers EV 100 or StoCryl VV. Leave tools to air-dry for 30 minutes before using again.

Notes, recommendations, special information, miscellaneous

General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual. The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter

Delivery

Colour shade grey

Technical Data Sheet

StoPma EZ 300

Packaging	tin pail		
	Article number	Name	Container
	09323-001	StoPma EZ 300	13 kg pail
Storage			
Storage conditions	Store in dry and frost-free conditions. Protect from direct sunlight.Avoid temperatures above +25 °C.		
Storage life	In the original container until ... (see packaging).		

Identification

Product group	Waterproofing
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Safety	<p>This product is subject to compulsory labelling in accordance with the current EU regulation.</p> <p>You will receive an EU Safety Data Sheet with your first order.</p> <p>Please observe the information regarding the handling of the product, its storage, and disposal.</p>
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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 the Internet.

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