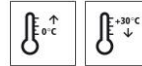


Technical Data Sheet

StoPma EZ 380

PMMA waterproofing of the StoPma balcony system, thixotropic



Characteristics

Area of application

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

Properties

- with polyurethane-modified PMMA
- rapid curing
- elastic
- crack-bridging

Information/notes

- ETA in accordance with EAD 030350-00-0402 (formerly ETAG 005)

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	EN ISO 3219	4.000 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/cm ³	
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

- General:
- Dry, load-bearing
 - Free from separating, native, or foreign substances
 - Remove weak layers and any laitance.
- Dry substrate:
- Depends on the compressive strength class
 - Dry in accordance with the definition in EN 1504-10

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Moisture content:

- Measure the moisture content of the concrete substrate with a calcium carbide meter.
- Moisture content for concrete qualities up to C30/37: max. 4 CM per cent
- Moisture content for concrete qualities up to C35/45: max. 3 CM per cent

Substrate temperature: at least +0 °C, 3 K above the dew point Bond strength, average: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Concrete or cementitious screed:

- Test the compatibility with the respective substrate.
- Additives and curing compounds can lead to incompatibility.

Preparations

1) Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Shot-blasting
- Milling followed by shot-blasting
- Abrasive blasting
- Diamond grinding

Roughness depths:

- Reduce roughness depths >1.5 mm, e.g. by diamond-grinding.
- A scratch coat as part of the system is not possible.
- Do not fill the product.

Note:

- 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.

Application

Application temperature

substrate and air temperature
minimum temperature: 0 °C
maximum temperature: +30 °C

Application temperature:
minimum temperature: 0 °C
maximum temperature: +30 °C

Time for application

At +20 °C: approx. 15 minutes

Mixing ratio

The amount of catalyst required depends on the temperature of the material and

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the substrate.

30 °C: 0.7 weight per cent StoPma KAT 300 (70 g/10 kg pail)
 20 °C: 1.3 weight per cent StoPma KAT 300 (130 g/10 kg pail)
 10 °C: 2.7 weight per cent StoPma KAT 300 (270 g/10 kg pail)
 0 °C: 4.0 weight per cent StoPma KAT 300 (400 g/10 kg pail)

Material preparation

- The viscosity of StoPma EZ 380 can be adjusted by adding StoDivers ST thixotropic additive.

Material preparation:

1) Stir the material

Note: The paraffin must spread evenly.

2) Dispense and add the catalyst.

3) Mix the components. Paddle mixer: slow running mixer, max. 300 rpm
 Mixing time: at least 1 minute

4) Apply the mixture immediately.

Consumption

Type of application

Approx. consumption

as waterproofing in accordance with EAD 030350-00-0402 (ETAG 005)

2,8

kg/m²

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.

Coating build-up

waterproofing in the StoPma balcony system

1) Priming:

- StoPma GH 300

2) Seal connections and raised bordering:

- StoPma EZ 380

3) Seal surfaces:

- StoPma EZ 300

Application

Waterproofing in the StoPma balcony system

1) Priming:

- StoPma GH 300

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- Application: see the Technical Data Sheet.

2) Seal connections and raised bordering:

- StoPma EZ 380

- Apply the waterproofing. Tools: rubber squeegee, adhesive comb, or roller sleeve

- Place the strips of mesh without creases in the fresh waterproofing layer. product: StoDivers V 310, width 0.15 m

- Embed the strips of mesh. product: StoPma EZ 380

- consumption of StoPma EZ 380: approx. 2.0 kg/m²

- Note:

Waterproofing must be approx. 5 cm wider than the mesh insert at the free edge.

Keep a distance of approx. 5 cm to the free edge of the waterproofing.

Allow the joints of the strips of mesh to overlap by approx. 10 cm.

3) Seal surfaces:

- StoPma EZ 300

- Apply the waterproofing. Tools: rubber squeegee or adhesive comb

- consumption: approx. 2.0 kg/m²

Note:

Do not de-air with a spiked roller!

The product can be reworked after 60 minutes.

Sand down trowel strokes before overcoating.

Notes:

waterproofing layer with ETA in accordance with EAD 030350-00-0402 (formerly ETAG 005)

- For a waterproofing layer in accordance with EAD 030350-00-0402, a full-surface mesh insert is required.

- Product: StoDivers V 300, width 1.02 m.

- StoPma EZ 300 coverage: 2.8 kg/m².

Cleaning the tools

Clean tools with StoDivers EV 100 or StoCryl VV.

Leave tools to air-dry for 30 minutes before using again.

Notes, recommendations, special information, miscellaneous

1) Observe the general application instructions:

- see www.stocretec.de, Products

- see technical manual, notes

Declaration of performance, CE marking:

- declaration of performance: see www.stocretec.de

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StoPma EZ 380

Delivery

Colour shade grey

Article number

Name

Container

09306-001

StoPma EZ 380

10 kg pail

Storage

Storage conditions Store in dry and frost-free conditions. Protect from direct sunlight. Avoid temperatures above +25 °C.

Storage life The product quality is best guaranteed in its unopened original container until its shelf life has expired. This information is included in the batch number on the container. Explanation of batch nos.:
digit 1 = last digit of the year, digits 2 + 3 = calendar week, example: 2450013223 - storage life ends at week 45 in 2022
See product packaging

Identification

GISCODE RMA10

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
Observe the Safety Data Sheet!
Safety instructions refer to the ready-to-use, unapplied product.

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.

StoCretec GmbH

Technical Data Sheet

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