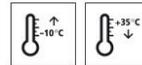


Technical Data Sheet

StoPma GH 100

PMMA primer, industry, standard



Characteristics

Area of application • as a priming coat on concrete and cementitious screed

Properties

- PMMA
- fast curing, even at low temperatures
- good penetration capacity

Appearance • colourless

Information/notes • StoPma GH 100 is only used on mineral substrates in the systems StoPma Food BC 100, StoPma Food BC 200, StoPma Food CS 500

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	DIN 51757	0,98 g/cm ³	
Viscosity (at 23 °C)	DIN 53015	60 - 80 mPa.s	
Elongation at break	DIN 53455	7 %	

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 StoPma GH 100 with the respective substrate on the project.

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

Moisture content:

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- 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

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.

Note:

- Only use system-compatible StoCretec PCC mortars and StoPox Mörtel standfest to profile larger recesses or defects and to create inclinations or seamless backgrounds.

- Check the production batches on the label before starting work. Information about system-compatible PCC mortars is available from the StoCretec Technisches InfoCenter.

Application

Application temperature minimum temperature: -10 °C maximum temperature: +35 °C

Time for application at +20 °C and 3 % hardening compound: approx. 12 minutes

Mixing ratio The amount of catalyst required depends on the temperature of the material and the substrate.

+30 °C: 2.0 weight per cent StoPma KAT 300 (20 g/kg binder)

+20 °C: 3.0 weight per cent StoPma KAT 300 (30 g/kg binder)

0 °C: 5.0 weight per cent StoPma KAT 300 (50 g/kg binder)

-10 °C: 7.0 weight per cent StoPma KAT 300 (70 g/kg binder)

Material preparation Strongly inclined or vertical areas:

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- Mix StoPma GH 100 with StoDivers ST.
- StoDivers ST: maximum 2.0 weight per cent, 20 g/kg binder
- Before adding the catalyst, stir the StoDivers ST thixotropic additive into the base components and homogenise.

- 1) Stir the material.
Note: The paraffin must spread evenly.
- 2) 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 primer, depending on the substrate	0,4 - 0,5	kg/m ²
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	1) Primer: StoPma GH 100 2) Scatter: StoQuarz 0.6-1.2 mm for trowelable subsequent coatings, see the Technical Data Sheet for StoPma BC 100 with coloured quartz
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Application	<ol style="list-style-type: none"> 1) Priming: <ul style="list-style-type: none"> - StoPma GH 100, weight proportion in per cent: 100 weight per cent - Mix in the catalyst. weight proportion in per cent: approx. 2-7 weight per cent, depending on the temperature - Spread the product quickly and evenly. Tools: rubber squeegee - Rework the product with a roller. Tools: short-pile roller sleeve - consumption: approx. 0.4-0.5 kg/m² in total 2) Scatter: <ul style="list-style-type: none"> - StoQuarz 0.6-1.2 mm - Scatter StoQuarz 0.6-1.2 mm loosely into the fresh priming coat. - consumption: approx. 0.5 kg/m² <p>Note:</p> <ul style="list-style-type: none"> - Allow the priming coat to cure completely before coating the primer.
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Cleaning the tools	Clean tools with StoDivers EV 100 or StoCryl VV. Leave tools to air-dry for 30 minutes before using again.
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Notes, recommendations,	Observe the general application instructions:
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special information, miscellaneous - see www.stocretec.de, Products
- see technical manual, notes

Delivery

Colour shade RAL colour fan

Packaging tin pail

	Article number	Name	Container
	01420-002	StoPma GH 100	25 kg pail
	01420-001	StoPma GH 100	190 kg vat (bar)

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.

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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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