Technical Data Sheet
StoPma GH 500

PMMA primer for tested multi-storey car park surface protection systems

Characteristics

Area of application

- interior and exposed to weathering
- on floor areas
- onto cementitious dry substrates such as concrete or screed surfaces
- as a component of the tested surface protection system OS 8.16

Properties

- rapid curing
- Workability at 0 °C and 30 °C
- low viscosity
- very good adhesive bond on mineral substrates
- tested for compatibility on wet concrete in accordance with DIN EN 13578

Appearance

- transparent

Information/notes

- product is in accordance with EN 1504-2
- product is in accordance with EN 13813
- Only apply StoPma GH 500 unfilled.

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	DIN 53018	100 - 130 mPa.s	
Density (mixture 23 °C)	EN ISO 2811	0.99 g/cm³	

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: admixtures and curing compounds can lead to incompatibility. Test the compatibility of StoPma GH 500 with the respective substrate at the project site.

The substrate must be dry, load-bearing, and free from native and foreign substances that have a separating action. Remove less solid layers and any

scatter sand that has not been embedded.

Dry in accordance with the definition in EN 1504-10

Substrate temperature higher than 0 °C and 3 K above dew point.
Average bond strength 1.5 N/mm²
Lowest single bond strength value 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting, or diamond-grinding.

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 StoPma GH 500.

For profiling larger recesses or gaps, and for creating slopes or fillets only use StoPma CB 500.
As an alternative, system-compatible StoCrete PCC mortars or StoPox Mörtel standfest can be used. Information regarding system-compatible PCC mortars are available from StoCretec's Technical InfoCentre.

Application

Application temperature

Lowest application temperature: 0 °C
Highest application 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 the substrate.

30 °C 2.0 weight- % StoPma KAT 300 (400 g / 20 kg pail)
20 °C 3.0 weight- % StoPma KAT 300 (600 g / 20 kg pail)
10 °C 4.0 weight- % StoPma KAT 300 (800 g / 20 kg pail)
0 °C 6.0 weight- % StoPma KAT 300 (1200 g / 20 kg pail)

Material preparation

Stir StoPma GH 500 thoroughly to ensure that the paraffin is evenly distributed. Then add exactly the right amount of catalyst.
Mix thoroughly with a slow-running paddle mixer (maximum 300 rpm).
Mixing time at least 1 minute.

Apply immediately.

Consumption

Type of application	Approx. consumption	
as primer, depending on the substrate	0.3 - 0.5	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	Standard primer under StoPma multi-storey car park coatings OS 8.16 (interior and exposed to weathering) 1) Substrate preparation 2) Prime coating of StoPma GH 500 3) Intermediate layer of StoPma RZ 500 4) Sealant StoPma DV 500
Application	1) Substrate preparation 2) Prime coating Apply StoPma GH 500 with a rubber squeegee, flooding until the substrate is totally free of pores, and then evenly spread the material by rolling. Avoid forming puddles. Prime until the substrate is saturated. A closed film of resin is necessary for curing. If the substrate is highly absorbent, prime in several layers, wet on wet. Consumption: approx. 0.3 - 0.5 kg/m², depending on the roughness of the substrate. Scattering with StoQuarz (graining 0.6 - 1.2 mm) Consumption: approx. 1.5 kg/m² StoPma GH 500 can be reworked after 60 minutes. 3) Coating Apply the surface protection system OS 8.16 in accordance with the information in the application instructions. Note: The material consumption of the coating build-ups can be found in the application information
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	The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenterGeneral application instructions can be found at www.stocretec.de (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.
Delivery	
Packaging	Pail

Technical Data Sheet
StoPma GH 500

	Article number	Name	Container
	09322-003	Sto Pma GH 500	20 kg pail

Storage

Storage conditions	Store in dry and frost-free conditions; avoid direct sunlight.Avoid temperatures above +25 °C.
Storage life	In the original container until ... (see packaging).

Identification

Product group	Primer

Safety	This product is subject to compulsory labelling in accordance with the current EU directive. You will receive an EU Safety Data Sheet with your first order. Please observe the information regarding the handling of the product, its storage, and disposal.

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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