Technical Data Sheet
StoPma DV 500

PMMA sealer for tested multi-storey car park surface protection systems, coloured

Characteristics

Area of application

- interior areas and areas exposed to weathering
- on floor areas
- as a component of the tested surface protection system OS 8.16

Properties

- rapid curing
- Workability from 0 °C to 30 °C
- mechanical and chemical resistance

Appearance

- coloured

Information/notes

- Product is in accordance with EN 1504-2
- Product is in accordance with EN 13813

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	DIN 53018	70 - 90 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.

Requirements on the substrate:
The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove weak layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. Residual moisture

	may amount to max. 4 wt% for concrete in strength classes up to C30/37 and max. 3 wt% 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 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.

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 DV 500 thoroughly to evenly distribute the paraffin. 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 a sealer, depending on the substrate — 0.4 - 0.6 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 sealer in the StoPma multi-storey car park coating system OS 8.16 (interior and exposed to weathering) 1) Substrate preparation 2) Prime coating of StoPox GH 500 and scattering 3) Intermediate layer of StoPma RZ 500 / scattering 4) Sealing coat of StoPma DV 500
Application	

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1) Substrate preparation

2) Priming: See the Technical Data Sheet for StoPma GH 500

3) Intermediate layer: See the Technical Data Sheet for StoPma RZ 500

4) Sealing coat of StoPma DV 500
Use a rubber squeegee to spread the mixed material quickly and evenly over the scattered substrate, and then roll again with a roller if necessary.
Consumption: 0.4 - 0.6 kg/m²

Note:
The material consumption of the coating build-ups can be found in the application information

Depending on colour shade and coverage, 2 application cycles might be required.

Depending on exposure to chemicals, discolourations can occur. These do not, however, impair the technical function of the coating. Colour shades with organic pigments are particularly affected.

If there are neighbouring OS systems with StoPox DV 100 sealant, there may be colour shade deviations even if the same colour shade is used.

The layer thickness for sealing coats is normally < 0.5 mm and decreases as a result of mechanical use. This should be taken into account with regard to the required service life.

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 InfoCenter.General 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

Colour shade	colour shades in stock: RAL 7032, RAL 7030. Further colour shades on request.
Packaging	Pail

Article number	Name	Container
00153-001	StoPma DV 500 tinted	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	Sealing coat

Safety	This product is subject to compulsory labelling in accordance with the current EU regulation. 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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