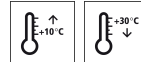


Technical Data Sheet

StoPur DV 508

PUR sealer for tested and approved multi-storey car park surface protection systems, low solvent content



Characteristics

- Area of application**
- interior and exposed to weathering
 - as a sealant for the scattered wearing course of the StoCretec OS 11 a.5 tested multi-storey car park surface protection system
 - for parking decks in areas with direct sunlight

- Properties**
- viscoplastic
 - UV- and weather-resistant
 - abrasion-resistant
 - low solvent content

- Appearance**
- gloss

- 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)	EN ISO 3219	900 - 1,500 mPa.s	Mixture
Volume of non-volatile matter		84 - 86 %(V)	
Density (mixture 23 °C)	EN ISO 2811	1.33 - 1.38 g/cm ³	

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**
- Requirements on the substrate:
The substrate must be dry, load-bearing, and free from native and foreign substances that have a separating action. 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. Residual moisture

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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 +10 °C and 3 K above dew point.
Average bond strength 1.5 N/mm²
Bond strength of the single smallest value 1.0 N/mm²

Preparations

Substrate preparation:
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: +10 °C
Highest application temperature: +30 °C

Time for application At +10 °C: approx. 60 minutes
At +20 °C: approx. 40 minutes
At +30 °C: approx. 20 minutes

Mixing ratio Component A : component B = 100.0 : 50.0 parts by weight

Material preparation

Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions. Stir component A, then add all of component B.
Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops. It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time is at least 3 minutes.
After mixing, pour the compound into a clean container and mix again.
Do not apply from the delivery container!

The temperature of the individual components must be at least +15 °C when mixing.

Consumption

Type of application	Approx. consumption	
as sealer	0.6 - 1.0	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) Substrate preparation
- 2.a) Prime coating of StoPox GH 530
- 2b) Prime coating and scratch coat of StoPox GH 530
- 3) Waterproofing membrane of StoPox TEP Multi Top

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- 4) Wearing course of StoPox TEP Multi Top
 - 5) Sealing coat of StoPur DV 508
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Application

1) Substrate preparation

2.a) Prime coating of StoPox GH 530

Evenly apply the mixed primer to the prepared substrate using a rubber squeegee and then spread it evenly by rolling. Avoid forming puddles.

2b) Prime coating and scratch coat of StoPox GH 530

We recommend a scratch coat for roughness depths > 0.5 mm. Scatter the prime coating of StoPox GH 530 while it is still fresh with kiln-dried quartz sand 0.3 - 0.8 mm.

Consumption of StoPox GH 530: approx. 0.3 - 0.4 kg/m², depending on the roughness of the substrate

Scatter with kiln-dried quartz sand 0.3 - 0.8 mm: approx. 0.5 - 1.0 kg/m²
Please observe: do not scatter excessively, but grain by grain.

One day after applying the primer, remove the non-bound quartz sand.

Crack-bridging intermediate layer (main effective surface protection layer)

3) Waterproofing membrane of StoPox TEP Multi Top

Use a squeegee with triangular notching to apply the mixed StoPox TEP Multi Top unfilled as a waterproofing membrane in the required layer thickness, at least 1.5 mm, and rework with a spiked roller in a criss-cross pattern to de-air.

Consumption of StoPox TEP Multi Top: approx. 1.3 kg/m² per mm of layer thickness

Note:

If you need to walk on the intermediate layer (main effective surface protection layer) in the OS 11 a.5 system when scattering or spiking the freshly applied wearing course, we recommend wearing spiked soles with blunt nails (e.g. Polyplan spiked shoes with blunt spikes 3800S), to avoid damaging the membrane.

4) Wearing course of StoPox TEP Multi Top

After a waiting time of approx. 12 hours and max. 24 hours, apply the self-levelling mortar consisting of 1.0 parts by weight StoPox TEP Multi Top and 0.2 parts by weight kiln-dried quartz sand 0.1 - 0.5 in the required layer thickness.

Finally, scatter the entire surface with a surplus of kiln-dried quartz sand 0.6 - 1.2 mm. We recommend scattering surfaces subject to higher stress with DUROP or a Röhrig Granit product depending on the required graining.

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Consumption of StoPox TEP Multi Top: approx. 1.05 kg/m² per mm of layer thickness
 Kiln-dried quartz sand 0.1 - 0.5 mm: approx. 0.55 kg/m² per mm of layer thickness

Scatter with kiln-dried quartz sand 0.6 - 1.2 mm: approx. 3.5 kg/m²

5) Sealing coat of StoPur DV 508

After a waiting time of approx. 12 - 24 hours, apply StoPur DV 508 quickly and evenly using a rubber squeegee, then if required roll using a roller.

Consumption: 0.6 - 1.0 kg/m²

Apply the surface protection system OS 11 in accordance with the instructions in DIN V 18026.

Note:

The material consumption of the basic tested coating build-ups in accordance with the DafStb guideline (German Committee for Reinforced Concrete), October issue 2001, can be obtained from the information on execution (Appendix A) in the Certificate of Compliance.

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.

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.

At low material and object temperatures, material consumption per m² increases due to the rise in viscosity.

Drying, curing, ready for next coat

Dust-dry: after approx. 5 hours
 Over-coatable: after approx. 8 hours
 Ready for foot traffic: after approx. 8 hours
 Fully cured: after approx. 7 days
 All technical details are approximate values and were determined, unless otherwise stated, at a normal temperature of +23 °C, 50 % relative humidity, and using the standard colour shade RAL 7032.

Cleaning the tools

After every work interruption, clean tools and working equipment using StoDivers EV 100.

Notes, recommendations, special information, miscellaneous

Only StoDivers ST may be used as a thixotropic additive. Otherwise, curing flaws may occur.
 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.
 The Declaration(s) of Conformity can be obtained from the StoCretec Technisches

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InfoCenter

Delivery

Colour shade wide colour shade variety

Article number	Name	Container
09497/001	StoPur DV 508 Set tinted	20 kg set

Storage

Storage conditions Store in dry and frost-free conditions; avoid direct sunlight.

Storage life In the original container until ... (see packaging).

Identification

Product group Sealer

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.

Technical Data Sheet

StoPur DV 508

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