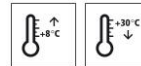


Technical Data Sheet

StoPur WV 60

PUR coating, water-based



Characteristics

Area of application

- as a rigid, highly UV-resistant, mechanically highly resistant coating for the protection of concrete
- coating in accordance with EN 1504-2
- in line with methods 1.3, 2.2, 8.2 in accordance with EN 1504-2
- as a coating in a surface protection system
- as a coating in spray and splash zones
- surface protection system OS 4 (OS C) in accordance with DIN V 18026
- Anti-Graffiti-System 1 (AGS 1) in accordance with ZTV-ING, TL/TP AGS concrete

Properties

- high UV resistance
- protection against ingress
- moisture control of concrete
- increasing resistivity
- high mechanical resistance
- very good adhesive bond
- good carbon dioxide impermeability (sd value CO₂ > 50 m)
- good water vapour permeability (S_d value for water vapour < 4 m)
- maximum resistance to soiling
- very good cleanability
- prevents the ingress of water and harmful substances dissolved in water
- not suitable for foot traffic or surfaces subject to vehicle traffic
- water-based

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density (mixture 23 °C)	EN ISO 2811-2	1,36 - 1,39 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

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Requirements

- load-bearing
- free from release agents
- made of concrete
- open pores close to the surface
- Bond strength in accordance with EN 1504-10: ≥ 0.8 MPa, lowest single value ≥ 0.5 MPa
- moisture content in accordance with EN 1504-10: dry

Existing paint coat:

- Systems with finishing compound: bond strength in accordance with EN 1504-10: ≥ 1.3 MPa, lowest single value ≥ 0.8 MPa
- Cross-cut test: cross-cut value (Gt) ≤ 2 in accordance with DIN EN ISO 2409
- visual evaluation: no cracks, adhesion problems, or efflorescence

Preparations

- clean thoroughly
- water blasting
- abrasive blasting

Application

Application conditions

Material temperature during mixing: min. $+15$ °C, max. $+25$ °C
Substrate temperature: min. $+8$ °C, max. $+30$ °C and 3 K above dew point
Relative humidity at the start of application: max. 70 %
Relative humidity during application: max. 85 %
Ensure adequate ventilation during application.
Ensure there is no condensate on the surface while the material is curing.
Different layer thicknesses, exceedingly high humidity (≥ 85 %), and exceedingly low temperatures ($< +8$ °C) can lead to visual defects.

Application temperature

Lowest application temperature: $+8$ °C
Highest application temperature: $+30$ °C

Time for application

At $+20$ °C: approx. 120 minutes

Mixing ratio

component A : component B = 10.0 : 1.0 parts by weight

Material preparation

Tools required:

- slow-moving paddle mixer (speed: max. 300/rpm)

- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix both components (min. 3 minutes) until a homogeneous mixture is obtained.
- 4) Transfer the mixture into a clean container and stir again.

If only a partial quantity of component A and component B is used initially and the remainder is to be processed later, then shake or stir the container of component B again before use.

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Consumption	Type of application	Approx. consumption
	as a coating	0,2 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	if there is UV exposure, StoPur WV 60 can be optionally used as part of the following systems:	
	<ul style="list-style-type: none">- StoConcrete Protect Prime TU 100<ul style="list-style-type: none">1) Fairing coat: StoCrete TF 2042) Coating: StoPox TU 100 (2 layers)3) Coating: StoPur WV 60- StoConcrete Protect Classic TU 100<ul style="list-style-type: none">1) Hydrophobic impregnation: StoCryl GW 1002) Coating: StoPox TU 100 (2 layers)3) Coating: StoPur WV 60- StoConcrete Protect Reno TU 100<ul style="list-style-type: none">1) Priming coat: StoPox WG 1002) Fairing coat: StoPox WB 503) Coating: StoPox TU 100 (2 layers)4) Coating: StoPur WV 60	
Application	<ul style="list-style-type: none">- StoConcrete Protect Prime TU 100<ul style="list-style-type: none">1) Fairing coat: StoCrete TF 204 <p>Tools required:</p> <ul style="list-style-type: none">- bucket trowel, spatula, and/or finishing trowel- sponge or Sto-Plasterer's Float with Expanded Natural Rubber Base fine <p>Apply StoCrete TF 204 to the tool and press into the prepared substrate using pressure with the edge of the tool. Move the tool in opposite directions to completely fill pores and blow-holes.</p> <p>Apply StoCrete TF 204 wet-on-wet in the required layer thickness over the entire surface using slight pressure.</p> <p>Smooth the surface using a smoothing trowel and allow to stiffen.</p> <p>Finally, rub off the surface with a slightly damp sponge or use the Sto-Plasterer's Float with Expanded Natural Rubber Base.</p> <p>consumption of StoCrete TF 204: 1.9 kg/m² pro mm layer thickness</p> <p>waiting time: 72 h - 96 h</p>	

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2) Coating: StoPox TU 100 (2 layers)

Tools required:

- Sto-Varnish Roller Nylon RS13 or an airless sprayer

Test the sprayer and nozzle before use and adapt them to the conditions on site.

Layer 1:

Spray the mixed material with the Sto-Varnish Roller Nylon RS13 on to the substrate or spray on to the substrate with an airless sprayer.

consumption of StoPox TU 100: 0.20 - 0.25 kg/m²

waiting time: 12 h - 24 h

Layer 2:

Prepare StoPox TU 100 again as described above.

Spray the mixed material with the Sto-Varnish Roller Nylon RS13 on to the substrate or spray on to the substrate with an airless sprayer.

consumption of StoPox TU 100: 0.20 - 0.25 kg/m²

Surfaces that are exposed to direct solar radiation:

3) Coating: StoPur WV 60

with matching sealant gun Spray the mixed material with the Sto-Varnish Roller Cover Nylon RS13 on to the substrate or spray it on to the substrate with an airless sprayer.

Can be diluted with up to max. 10 wt%.

consumption of StoPur WV 60: approx. 0.2 kg/m²

waiting time at + 20 °C: 12 h

Cleaning the tools

Clean tools with water.

If, for example, material is stuck to the nozzle, clean the tool with e.g. StoDivers EV 100 or StoCryl VV.

Notes, recommendations, special information, miscellaneous

The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter

General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

Hiding power:

Depending on the selected colour shade, e.g. intense yellow or intense red, differences in hiding power can occur. An extra application cycle can therefore be useful, in addition to the application cycles listed in the "Coating build-up" section of the Technical Data Sheet.

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The hiding power of the colour shades mentioned above can be increased by pre-coating the surface with a colour shade with better hiding power that is matched to the selected colour shade.

Delivery

Colour shade white, RAL colour fan

Article number

Name

Container

00043/002

StoPur WV 60 Set tinted

16.5 kg set

Storage

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

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: 6450013223 - storage life ends at week 45 in 2026
See product packaging

Identification

Product group Sealing coat

GISCODE

x

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.
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.

Technical Data Sheet

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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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