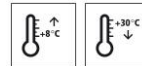


# Technical Data Sheet

## 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 CO<sub>2</sub> > 50 m)
- good water vapour permeability (S<sub>d</sub> 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 <sup>3</sup>	
Non-volatile matter	EN ISO 3251	57 - 63 %	

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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

- load-bearing
- free from release agents
- made of concrete
- open pores close to the surface
- Bond strength in accordance with EN 1504-10:  $\geq 0.8$  MPa, lowest single value  $\geq 0.5$  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:  $\geq 1.3$  MPa, lowest single value  $\geq 0.8$  MPa
- Cross-cut test: cross-cut value (Gt)  $\leq 2$  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 ( $\geq 85$  %), 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.

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- 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.

Consumption	Type of application	Approx. consumption	
	as a coating	0.2	kg/m <sup>2</sup>

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:

- StoConcrete Protect Prime:
  - 1) Fairing coat: StoCrete TF 204
  - 2) Coating: StoPox TU 100 (2 layers)
  - 3) Coating: StoPur WV 60
- StoConcrete Protect Classic:
  - 1) Hydrophobic impregnation: StoCryl GW 100
  - 2) Coating: StoPox TU 100 (2 layers)
  - 3) Coating: StoPur WV 60
- StoConcrete Protect Reno:
  - 1) Priming coat: StoPox WG 100
  - 2) Fairing coat: StoPox WB 50
  - 3) Coating: StoPox TU 100 (2 layers)
  - 4) Coating: StoPur WV 60

#### Application

- StoConcrete Protect Prime:
    - 1) Fairing coat: StoCrete TF 204
- Tools required:
- bucket trowel, spatula, and/or finishing trowel
  - sponge or Sto-Plasterer's Float with Expanded Natural Rubber Base fine

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.  
Apply StoCrete TF 204 wet-on-wet in the required layer thickness over the entire

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surface using slight pressure.

Smooth the surface using a smoothing trowel and allow to stiffen.  
Finally, rub off the surface with a slightly damp sponge or use the Sto-Plasterer's Float with Expanded Natural Rubber Base.

consumption of StoCrete TF 204: 1.9 kg/m<sup>2</sup> pro mm layer thickness  
waiting time: 72 h - 96 h

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/m<sup>2</sup>  
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/m<sup>2</sup>

Surfaces that are exposed to direct solar radiation:

3) Coating: StoPur WV 60

Apply StoPur WV 60 as a sealing coat. 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/m<sup>2</sup>  
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,

The declaration(s) of performance are available from the StoCretec Technisches InfoCenter.

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#### miscellaneous

General application instructions can be found at [www.stocretec.de](http://www.stocretec.de) (Products) and in the appendix of the latest issue of the "Technical Data Sheets" 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.

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
00043/001	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. The first digit of the batch number is the final digit of the year. The second and third digits indicate the calendar week. Example: 9450013223 - shelf life until end of calendar week 45 in 2019. See product packaging

#### Identification

**Product group** Sealer

#### 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.

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## StoPur WV 60

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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