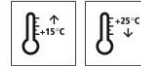


Technical Data Sheet

StoPur WV 202 transparent

PUR sealing coat, water-based, elasticised, matt,
transparent, low-emission



Characteristics

Area of application

- interior
- as a transparent sealing coat on floor areas subject to low levels of stress

Properties

- UV-resistant

Appearance

- matt

Technical data

| Criterion | Standard / test specification | Value/ Unit | Notes |
|-------------------------|-------------------------------|------------------------|---------|
| Viscosity (at 23 °C) | EN ISO 3219 | 100 - 300 mPa.s | mixture |
| Density (mixture 23 °C) | EN ISO 2811 | 1.08 g/cm ³ | mixture |

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

General:
 - Dry, cured
 - Clean StoPur sealing coats or StoPur coatings

Sealing coat:

- Apply sealing coat within 72 h: New coatings on a PUR basis can be directly sealed with StoPur WV 202 transparent.
 - Apply sealing coat after 72 h: Before applying a sealing coat, use a green or black abrasive pad to sand the existing coating until it is matt.

Substrate temperature: at least +15 °C, 3 K above the dew point
 Bond strength, average: 1.5 N/mm²
 Bond strength, lowest single value: 1.0 N/mm²

Preparations

1) Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

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Application

| | |
|--------------------------------|---|
| Application temperature | substrate and air temperature Minimum temperature: +15 °C Maximum temperature: +25 °C Application temperature: Minimum temperature: +15 °C Maximum temperature: +25 °C Relative humidity: minimum: 40 % maximum: 75 % |
|--------------------------------|---|

| | |
|-----------------------------|-------------------------------|
| Time for application | at +23 °C: approx. 45 minutes |
|-----------------------------|-------------------------------|

| | |
|---------------------|--|
| Mixing ratio | component A : component B A : B 100.0 : 10.0 parts by weight |
|---------------------|--|

Material preparation

Notes:

- Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.
- Observe the order of the "Preparing material" steps.
- The material temperature is between +15 °C and +25 °C.
- The temperature of all components is between +15 °C and +25 °C.

Mixing time:

- The length of the mixing time depends on the temperature of the material and the ambient temperature.
- Mix each container for the same length of time.

Possible consequences if mixing times are too long or too short:

- Mixing the product too long will shorten the time for application.

Preparing the material:

- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix the components until the hardener is well distributed, the mixture is homogeneous, and a streak-free mass is produced.
Paddle mixer: slow running mixer, max. 300 rpm
Mixing time: at least 3 minutes
- 4) Ensure the the mixing equipment covers the floor areas and the edge zones of the mixing container. The hardener must be evenly distributed.
- 5) Transfer the mixture to a clean container. Mix the components again.

Transfer the material into a clean container using a paint sieve and stir it once again. Eliminate any lumps that occur during mixing.

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| Consumption | Type of application | Approx. consumption |
|-------------|---------------------|----------------------------|
| | as sealer | 120 - 140 g/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

A: coating on mastic asphalt

- 1) Prepare the substrate.
- 2) Priming: StoPox 452 EP
- 3) Apply a scratch mortar: StoPox 452 EP
- 4) Apply the covering layer: StoPur BB 100
- 5) Optional loose scattering: StoChips 1 mm and StoChips 3 mm
- 6) Sealing: StoPur WV 100 transparent, StoPur WV 150 transparent, or StoPur WV 202 transparent
- 7) Apply a floor finish: StoDivers P 105 or StoDivers P 120

B: coating on cementitious substrates

- 1) Prepare the substrate.
- 2) Priming: StoPox GH 205
- 3) Apply a scratch mortar: StoPox GH 205
- 4) Apply the covering layer: StoPur BB 100
- 5) Optional loose scattering: StoChips 1 mm and StoChips 3 mm
- Sealing: StoPur WV 100 transparent, StoPur WV 150 transparent, or StoPur WV 202 transparent
- 7) Apply a floor finish: StoDivers P 105 or StoDivers P 120

Application

A: coating on mastic asphalt

- 1) Prepare the substrate.
 - Uncover 75 % of the aggregate.
 - bond strength: 1.5 N/mm²

- 2) Priming:
 - StoPox 452 EP
 - Flood apply the product without pores. Tools: rubber squeegee
 - Rework the product and spread evenly with a roller. Tools: short-pile roller sleeve
 - consumption: approx. 0.3-0.6 kg/m², depending on the absorption capacity of the substrate
 - Note: Avoid the formation of puddles.

- 3) Apply a scratch mortar:
 - StoPox 452 EP
 - Mixing ratio:
 - 1.0 parts by weight of StoPox 452 EP,
 - 1.5 parts by weight from a mix of 50 % StoQuarz 0.01 mm and 50 % StoQuarz 0.1-

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0.5 mm

- Apply the product filled with quartz sand. Tools: squeegee
- Spread the product evenly and de-air. Tools: spiked roller
- consumption StoPox 452 EP, per mm layer thickness: approx. 0.7-0.8 kg/m²
- consumption of StoQuarz 0.01 mm: approx. 0.5-0.6 kg/m²
- consumption of StoQuarz 0.1-0.5 mm: approx. 0.5-0.6 kg/m²
- Note: Do not scatter the scratch coat.

4) Apply the covering layer:

- StoPur BB 100
- Apply the StoPur BB 100 covering layer to the StoPox 452 EP scratch coat within 72 hours. Tools: squeegee, e.g. Sto-Notched Blade, notching: 48
- consumption: approx. 2.5 kg/m²

5) Optional loose scattering:

- StoChips 1 mm and StoChips 3 mm
- Scatter the product into the fresh covering layer.
- consumption of StoChips 1 mm: approx. 0.05 kg/m²
- consumption of StoChips 3 mm: approx. 0.05 kg/m²

6) Sealing:

- StoPur WV 202 transparent
- Apply the product evenly in a criss-cross pattern. Tools: rubber squeegee
- Rework the product and spread evenly in a criss-cross pattern with a roller. Tools: short-pile roller sleeve
- consumption StoPur WV 202 transparent: approx. 120-140 g/m²
- Note: Avoid the formation of puddles to prevent any difference in gloss level. Do not wait longer than five minutes between rolling on two strips of paint. Always work wet-on-wet to prevent initial drying at the edges.

Avoid roller marks:

- Apply the sealing coat evenly in a criss-cross pattern.
- Avoid overlaps.
- Depending on the expected stress, several application cycles are necessary.
- Observe the drying times between application cycles.

7) Apply a floor finish:

- StoDivers P 105 or StoDivers P 120
- Apply the product evenly and thinly. Tools: damp mop
- Leave the product to dry for 20-30 minutes.
- For further application cycles: apply the product crosswise to the previous application cycle. Apply the product crosswise to the previous application cycle.
- consumption: approx. 30-50 ml/m², depending on the application cycle
- Note:

The floor finish increases the gloss level of the matt sealing coat StoPur WV 202 transparent.

Apply a floor finish to the sealing coat 2 days at the earliest after application. Avoid overlaps.

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Depending on the expected stress: apply the product in several application cycles. Observe the drying times between application cycles.

B: coating on cementitious substrates

1) Prepare the substrate.

2) Priming:

- StoPox GH 205

- Flood apply the product without pores. Tools: rubber squeegee

- Rework the product and spread evenly with a roller. Tools: short-pile roller sleeve

- consumption: approx. 0.3-0.5 kg/m², depending on the absorption capacity of the substrate

- Note: Avoid the formation of puddles.

3) Apply a scratch mortar:

- StoPox GH 205

- Mixing ratio:

1.0 parts by weight of StoPox GH 205,

1.5 parts by weight from a mix of 50 % StoQuarz 0.01 mm and 50 % StoQuarz 0.1-0.5 mm

- Apply the product filled with quartz sand. Tools: squeegee

- Spread the product evenly and de-air. Tools: spiked roller

- consumption StoPox GH 205, per mm layer thickness: approx. 0.7-0.8 kg/m²

- consumption of StoQuarz 0.01 mm: approx. 0.5-0.6 kg/m²

- consumption of StoQuarz 0.1-0.5 mm: approx. 0.5-0.6 kg/m²

- Note: Do not scatter the scratch coat.

4) Apply the covering layer:

- StoPur BB 100

- Apply the StoPur BB 100 covering layer to the StoPox GH 205 scratch coat within 72 hours. Tools: squeegee, e.g. Sto-Notched Blade, notching: 48

- consumption: approx. 2.5 kg/m²

5) Optional loose scattering:

- StoChips 1 mm and StoChips 3 mm

- Scatter the product into the fresh covering layer.

- consumption of StoChips 1 mm: approx. 0.05 kg/m²

- consumption of StoChips 3 mm: approx. 0.05 kg/m²

6) Sealing:

- StoPur WV 202 transparent

- Apply the product evenly in a criss-cross pattern. Tools: rubber squeegee

- Rework the product and spread evenly in a criss-cross pattern with a roller.

Tools: short-pile roller sleeve

- consumption StoPur WV 202 transparent: approx. 120-140 g/m²

- Note: Avoid the formation of puddles to prevent any difference in gloss level. Do not wait longer than five minutes between rolling on two strips of paint. Always

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work wet-on-wet to prevent initial drying at the edges.

Avoid roller marks:

- Apply the sealing coat evenly in a criss-cross pattern.
- Avoid overlaps.
- Depending on the expected stress, several application cycles are necessary.
- Observe the drying times between application cycles.

7) Apply a floor finish:

- StoDivers P 105 or StoDivers P 120
- Apply the product evenly and thinly. Tools: damp mop
- Leave the product to dry for 20-30 minutes.
- For further application cycles: apply the product crosswise to the previous application cycle. Apply the product crosswise to the previous application cycle.
- consumption: approx. 30-50 ml/m², depending on the application cycle
- Note:

The floor finish increases the gloss level of the matt sealing coat StoPur WV 202 transparent.

Apply a floor finish to the sealing coat 2 days at the earliest after application.

Depending on the expected stress: apply the product in several application cycles. Observe the drying times between application cycles.

Note:

- Avoid direct sunlight, high temperatures, and draughts during application.
- Exposure of the chemicals may cause discolourations, which do not, however, impair the technical function of the coating.
- When working with polyurethane, make sure that the material does not come into contact with water during curing, as this can lead to reaction bubbles (foam formation).
- Roller marks can occur with the sealing coat.
- Layer thickness of the sealing coat: < 0.5 mm. Mechanical use reduces the layer thickness. This can shorten the service life.
- Different material application, too high humidity, and low temperatures can lead to visual defects, e.g. differences in the gloss levels.
- Equip office chairs with castors, type W, in accordance with EN 12529.
- for further information on application: see the StoPur BB 100 guidelines

Drying, curing, ready for next coat

suitable for foot traffic: after approx. 16 hours
completely 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

Clean tools with water. Remove bonded material by mechanical means.

Notes, recommendations,

1) Observe the general application instructions:

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special information, miscellaneous

- see www.stocretec.de, Products
 - see technical manual, notes
 2) Observe the implementation instructions.

Declaration of performance, CE marking:
 - declaration of performance: see www.stocretec.de
 - The abrasion resistance specified in the declaration of performance refers to the smooth, not scattered covering.

Delivery

Colour shade transparent

| Article number | Name | Container |
|----------------|-------------------------------|-----------|
| 04076/002 | StoPur WV 202 Set transparent | 11 kg set |

Storage

Storage conditions Store in dry and frost-free conditions. Protect from 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: 1450013223 - shelf life until end of calendar week 45 in 2021. See product packaging

Identification

Product group Sealing coat

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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