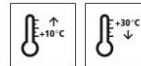


# Technical Data Sheet

## StoPur TC 100 transparent

PUR sealing coat, transparent, gloss, light fast, low-emission



### Characteristics

**Area of application** • as a transparent sealing coat on scattered EP and PUR coatings, especially in food-processing areas

**Properties**

- low tendency to soiling
- good cleanability
- relatively insensitive to organic discoloration (e.g. wine, coffee, ketchup)
- low to medium chemical resistance
- UV-resistant
- low-emission

**Appearance** • transparent

### Technical data

| Criterion                     | Standard / test specification | Value/ Unit           | Notes |
|-------------------------------|-------------------------------|-----------------------|-------|
| Density                       | DIN 51757                     | 1,2 g/cm <sup>3</sup> |       |
| Viscosity (at 23 °C)          | DIN 53015                     | 500 - 900 mPa.s       |       |
| Volume of non-volatile matter |                               | > 99 %(V)             |       |

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**

Scattered StoCretec EP/PUR coatings:

General:

- Dry, load-bearing
- Free from separating, native, or foreign substances
- Remove weak layers and any laitance.

Substrate temperature: at least +10 °C, 3 K above the dew point

Bond strength, average: 1.5 N/mm<sup>2</sup>

Bond strength, lowest single value: 1.0 N/mm<sup>2</sup>

**Preparations**

Apply StoPur TC 100 transparent at the earliest 24 hours after application of the underlying epoxy resin layer. Otherwise, incompatibilities may occur.

## Technical Data Sheet

### StoPur TC 100 transparent

#### Application

|                                |                                                            |
|--------------------------------|------------------------------------------------------------|
| <b>Application temperature</b> | minimum temperature: +10 °C<br>maximum temperature: +30 °C |
|                                | Relative humidity:<br>at least: 40 %<br>maximum: 75 %      |

|                             |                                                                                                                                                                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Time for application</b> | At +20 °C: approx. 20 minutes<br>processing time: approx. 5 minutes (+ 20 °C)<br>suitable for foot traffic after: approx. 24 hours (20 °C)<br>mechanically resistant after: 4 days (20 °C)<br>chemically resistant after: 7 days (20 °C) |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| <b>Mixing ratio</b> | component A : component B<br>100.0 : 150.0 parts by weight |
|---------------------|------------------------------------------------------------|

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material preparation</b> | - Component A and Component B are supplied in the correct mixing ratio and mixed in accordance with the following instructions. Stir component A, then add all of component B.<br>Mix thoroughly with a slow running stirrer (maximum 300 rpm) until a homogeneous, smooth compound develops. It is also vital to stir thoroughly at the sides and the bottom to ensure that the hardener is uniformly spread. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Preparing the material:

- 1) Stir component A.  
Add all of component A to component B.
- 2) Mixing time: at least 2-3 minutes  
Note: Avoid stirring in air.
- 3) Transfer the mixture to a clean container.
- 4) Mix the components again.
- 5) Apply the mixture immediately.

|                                                                                                                                                                                                                                                         |                                   |                     |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------|-------------------|
| <b>Consumption</b>                                                                                                                                                                                                                                      | Type of application               | Approx. consumption |                   |
|                                                                                                                                                                                                                                                         | depending on substrate scattering | 0,5 - 0,9           | 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. |                                   |                     |                   |

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Coating build-up</b> | 1) Priming: StoPox GH 205<br>2) Coating: StoPox KU 601<br>3) Scatter: coloured quartz 0.7-1.2 mm<br>4) Sealing: StoPur TC 100 transparent |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

## Technical Data Sheet

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### StoPur TC 100 transparent

#### Application

- 1) Priming:
  - StoPox GH 205
  - Flood apply the product. Tools: rubber squeegee
  - Rework the product with a roller and spread evenly.
  - consumption: approx. 0.2-0.3 kg/m<sup>2</sup>, depending on the roughness of the substrate - Note: Avoid the formation of puddles.
- 2) Coating 1-2 mm:
  - StoPox KU 601 filled with quartz sand 0.1-0.5 mm (1:0.3)
  - consumption: 1.7 kg/m<sup>2</sup>/mm of total mixture
  - Apply the product. Tools: squeegee
- 3) Scatter:
  - coloured quartz 0.7-1.2 mm
  - Do not scatter the fresh coating in excess so that grain is next to grain.
  - consumption: approx. 0.5 - 1.0 kg/m<sup>2</sup>
- 4) Sealing:
  - StoPur TC 100 transparent
  - Apply the material completely on to the area and distribute evenly with a rubber squeegee (Sto-Rubber Squeegee Profi). If necessary, re-roll evenly in one direction immediately without stopping (Sto-Varnish Roller Cover Nylon RS13). processing time on the fresh surface max. 5 minutes, use material from one batch as far as possible on larger areas

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#### Cleaning the tools

Clean tools with StoDivers EV 100 or StoCryl VV. Leave tools to air-dry for 30 minutes before using again.

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#### Notes, recommendations, special information, miscellaneous

- 1) StoPur TC 100 transparent cannot be used again as an overcoat without additional, intense intermediate sanding. Bonding cannot be guaranteed without intermediate sanding. 2) Observe the general application instructions:
  - see [www.stocretec.de](http://www.stocretec.de), Products
  - see technical manual, notes

Declaration of performance, CE marking:

- declaration of performance: see [www.stocretec.de](http://www.stocretec.de)
- The abrasion resistance specified in the declaration of performance refers to the smooth, not scattered covering.

ordering address for coloured quartzes:  
Gebrüder Dorfner GmbH & Co.  
Kaolin- und Kristallquarzsand- Werke KG  
Scharhof 1  
D-92242 Hirschau  
E-mail: [info@dorfner.com](mailto:info@dorfner.com)  
[www.dorfner.com](http://www.dorfner.com)

# Technical Data Sheet

## StoPur TC 100 transparent

### Delivery

**Colour shade** transparent

**Packaging** tin pail

| Article number | Name                          | Container |
|----------------|-------------------------------|-----------|
| 09732/001      | StoPur TC 100 transparent Set | 20 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. 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: 2450013223 - storage life ends at week 45 in 2022  
See product packaging

### Identification

**GISCODE** x

**Safety** This product is subject to compulsory labelling in accordance with the current EU regulation.  
Observe the Safety Data Sheet!

### 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

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