

# Technical Data Sheet

## StoPur KV

PUR sealing coat, conductive, solvent-containing



### Characteristics

- Area of application**
- interior
  - for floors subject to low mechanical and chemical stress
  - electrically conductive sealing coat

- Properties**
- fulfils requirements in accordance with EN 61340-5-1
  - solvent-containing
  - very high colour stability

- Appearance**
- silk gloss

- Information/notes**
- product is in accordance with EN 1504-2

### Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength (28 days)	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	120 - 220 mPa.s	mixture
Density (mixture 23 °C)	EN ISO 2811	1,18 - 1,25 g/cm <sup>3</sup>	
Water vapour permeability class	EN ISO 7783	Class II (medium)	Classification in accordance with DIN EN 1504-2

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**
- Electrically conductive StoPox or StoPur coatings as a substrate.  
The substrate must be load-bearing, dry, and free from dust and grease.
- Substrate temperature higher than +8 °C and 3 K above dew point.  
Average bond strength: 1.5 N/mm<sup>2</sup>  
Bond strength, lowest single value: 1.0 N/mm<sup>2</sup>

- Preparations**
- Substrate preparation:  
Prepare the substrate using a suitable mechanical process.  
Clean substrates thoroughly (e.g. with StoDivers EV 100/StoDivers GR) and, if

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necessary, abrade with a fine abrasive grid.

### Application

**Application temperature**      Lowest application temperature: +8 °C  
 highest application temperature: +25 °C  
 max. approved relative humidity: 75 %

**Time for application**            At +23 °C: approx. 35 min. (RAL 7032),  
 the time for application can vary with other colour shades.

**Mixing ratio**                        Component A : component B = 100.0 : 20.0 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.

So that the product achieves its required charge dissipation capability, it is essential to completely stir up any deposits.

Consumption	Type of application	Approx. consumption	
	as sealer	0,1 - 0,15	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**                    Electrically conductive coat on smooth surfaces, system resistance (person/shoe/floor) < 35 megaohm.  
 Electrically conductive StoPox or StoPur coating as a load-bearing substrate.  
 1) Substrate preparation  
 2) StoPur KV sealer (1 - 2 application cycles)

Electrically conductive, anti-slip coat on smooth surfaces, system resistance (person/shoe/floor) < 35 megaohm.  
 Electrically conductive StoPox or StoPur coating as a load-bearing substrate.  
 1) Substrate preparation

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2) StoPur KV sealer, filled with Sto Ballotini (1 - 2 application cycles).

#### Application

Electrically conductive coat on smooth surfaces, system resistance (person/shoe/floor) < 35 megaohm.

Electrically conductive StoPox or StoPur coating as a load-bearing substrate.

1) Substrate preparation

Clean substrates thoroughly (e.g. with StoDivers EV 100/StoDivers GR) and, if necessary, sand with a fine abrasive grid.

2) StoPur KV sealer (1 - 2 application cycles)

Apply StoPur KV in 1 - 2 application cycles.

Consumption: approx. 0.10 - 0.15 kg/m<sup>2</sup> per application cycle

Even material application in a criss-cross pattern using a short-pile roller sleeve (Sto-Micro-Fibre Roller Cover 250 mm, pile height 8 mm, art. no. 17803-003, Sto tool catalogue).

Avoid creating seams and overlaps.

Electrically conductive, anti-slip coat on smooth surfaces, system resistance (person/shoe/floor) < 35 megaohm.

Electrically conductive StoPox or StoPur coating as a load-bearing substrate.

1) Substrate preparation

Clean substrates thoroughly (e.g. with StoDivers EV/StoDivers GR) and, if necessary, sand with a fine abrasive grid.

2) StoPur KV sealer, filled with Sto Ballotini 53 - 106 µm (1 - 2 application cycles)

Apply the first coat unfilled.

Add 1.5 - 3.0 wt% of Sto Ballotini 53 - 106 µm to the second coat, depending on the required slip resistance.

Consumption of StoPur KV: approx. 0.1 - 0.15 kg/m<sup>2</sup> per application cycle

Note:

Define the required slip resistance by means of a sample surface area.

Over-coatable with StoPur KV at +23 °C: after 2 - 4 hours

Dust-dry at +23 °C: after 2 hours

Notes:

Several application cycles may be required, depending on the colour shade. This especially applies when reworking dark old coatings with light colour shades.

Due to the filler material present, it is not possible to achieve a completely seamless and streak free appearance. Particularly with dark colour shades and/or when adding Sto Ballotini to increase the slip resistance, only a limited appearance can be achieved depending on the project-specific light conditions (e.g. glancing light). We therefore recommend creating a sample surface area in cases of doubt.

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The layer thickness of 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.

The solvents evaporating during application produce an unpleasant odour. Ensure sufficient ventilation during application.

Slight deviations in colour shade and differences in gloss levels are possible between different batches.

If using office chairs on the floor, these must be equipped with type "W" castors in accordance with DIN EN 12529.

**Cleaning the tools** StoDivers EV 100, StoCryl VV

**Notes, recommendations, special information, miscellaneous** If using office chairs on the floor, these must be equipped with type "W" castors in accordance with DIN EN 12529. General application instructions are available at [www.stocretec.de](http://www.stocretec.de) and in the notes of the latest Technical Manual.

### Delivery

**Colour shade** RAL colour fan, limited colour choice  
 approx. RAL: 1000, 1001, 1013, 1014, 1015, 7000, 7001, 7004, 7023, 7030, 7032, 7035, 7037, 7038, 7040, 7042, 7044, 7045, 9002  
 approx. RAL: 5007, 5012, 5014, 5023, 6033, 6034, 7010, 7011, 7012, 7022, 7024, 7031, 7039, 9018  
 Other colour shades on request.  
 Not a stock article.

**Packaging** pail

Article number	Name	Container
14283/015	StoPur KV Set tinted	5 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** Sealing coat

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GISCODE x

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### Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.  
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.

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