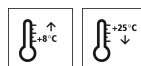


Technical data sheet

StoPur KV

PUR sealer, conductive, solvent-containing



Characteristics

Areas of application

- interior
- electrically conductive sealer
- for floor areas with low mechanical and chemical stress

Properties

- electrically conductive (EN 1081, EN 61340-4-1, EN 61340-5-1, EN 61340-4-5)
- solvent-containing
- very high colour stability

Appearance

- silk gloss

Information/notes

- product is in accordance with EN 1504-2

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Tensile strength (28 days)	EN 1542	> 2.0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	280 - 420 mPa.s	mixture
Density (mixture 23 °C)	EN ISO 2811	1.26 - 1.34 g/cm ³	
Water vapour permeability class	EN ISO 7783	class II (medium)	classification in accordance with DIN EN 1504-2

Technical data sheet

StoPur KV

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that 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 tensile bond strength 1.5 N/mm²
Tensile bond strength of the single smallest value 1.0 N/mm²

Preparations

Substrate preparation:
Prepare the substrate using a suitable mechanical process.
Clean substrates thoroughly (e.g. with StoDivers EV 100/StoDivers GR) and, if necessary, abrade with a fine abrasive grid.

Application

Application temperature

Lowest application temperature: +8 °C
Highest application temperature: +25 °C Maximum approved relative humidity 75 %

Processing time

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 to ensure that the hardener spreads evenly. 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.

Technical data sheet

StoPur KV

Consumption	Type of application	Approx. consumption
	as sealer	0.1 - 0.15 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 procedure	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 2) StoPur KV sealer, filled with StoBallotini (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/m² per application cycle Apply the material evenly with a short-pile roller (Sto-Glaze Roller Micro-Fibre, Sto tool catalogue) in a criss-cross pattern. 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.	

Technical data sheet

StoPur KV

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/m² 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 StoBallotini 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.

The layer thickness for 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 useful 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

Indications, 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 can be found at www.stocretec.de (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.

Delivery

Colour shade

RAL colour fan, limited colour choice
 approx. RAL: 1000, 1001, 1013, 1014, 1015, 7000, 7001, 7004, 7023, 7030, 7032,

Technical data sheet

StoPur KV

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.

Article number	Designation	Container
14283/011	StoPur KV Combi tinted	210 kg pallet

Storage

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

Storage life In the original container until ... (see packaging).

Certificates/approvals

Identification

Product group Sealer

Safety This product is subject to compulsory designation in accordance with the current EU directive.
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.

Technical data sheet

StoPur KV

Special notes

The information or data 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. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations 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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*Product images may differ from the actual product.