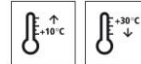


# Technical Data Sheet

## StoPox DV 100

Epoxy resin sealer for scattered synthetic resin coatings, tested surface protection systems



### Characteristics

- Area of application**
- interior areas and areas exposed to weathering
  - on floor areas
  - as an elastic sealer on scattered self-levelling coatings
  - in areas where skid resistance is required
  - as a component of the tested StoCretec surface protection systems

- Properties**
- mechanical and chemical resistance
  - high hiding power on scattered intermediate layers

- Appearance**
- gloss

- Information/notes**
- product is in accordance with EN 1504-2
  - product is in accordance with EN 13813

### 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	1,300 - 1,900 mPa.s	Mixture
Shore hardness type D	DIN 53505-D/EN ISO 868	67 - 73	
Density (mixture 23 °C)	EN ISO 2811	1.38 - 1.46 g/cm <sup>3</sup>	

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**
- The substrate must be a scattered prime coating or coating.
- Requirements on the substrate:  
The substrate must be dry, load-bearing, and free from native and foreign release agents.

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Remove weak layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. Residual moisture may amount to max. 4 wt% for concrete in strength classes up to C30/37 and max. 3 wt% for C35/45 concrete, measured with a calcium carbide meter.

Substrate temperature higher than +10 °C and 3 K above dew point.  
Average bond strength 1.5 N/mm<sup>2</sup>  
Lowest single bond strength value 1.0 N/mm<sup>2</sup>

### Preparations

Check existing coatings for their load-bearing capacity.

Prepare the substrate using a suitable process, such as sweeping and then suction cleaning.

### Application

#### Application temperature

Lowest application temperature: +10 °C

Highest temperature of substrate/air: +30 °C  
Maximum approved relative humidity 85 %

#### Time for application

At +10 °C: approx. 40 minutes  
At +23°C: approx. 25 minutes  
At +30 °C: approx. 15 minutes

#### Mixing ratio

Component A : component B = 100.0 : 14.3 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.

To reduce viscosity and improve application in the temperature range of 10 - 15 °C, up to max. 2 wt% of StoDivers EV 100 can be added to the mixed material.

#### Consumption

Type of application	Approx. consumption	
as a sealer, depending on the substrate	0.6 - 1.0	kg/m <sup>2</sup>

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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

Sealing coat on scattered prime coatings / preparatory fillers / coatings

- 1) Substrate preparation
- 2) Prime coating / preparatory filler, e.g. of StoPox GH 502, 530, 205, with scattering
- 3) Self-levelling mortar (optional), e.g. StoPox BB OS, with scattering
- 4) Sealing coat of StoPox DV 100

#### Application

Sealing coat on scattered prime coatings / preparatory fillers / coatings

1) Substrate preparation

2) Scattered prime coating / preparatory filler / self-levelling mortar

3) Sealing coat of StoPox DV 100

Spread the mixed material quickly and evenly onto the scattered substrate using a rubber squeegee (Sto-Rubber Squeegee Profi, art. no.: 17400-005) and then roll again with a roller if necessary.

Consumption: 0.6 - 1.0 kg/m<sup>2</sup>

Note:

The material consumption of the basic tested coating build-ups in accordance with the DafStb guidelines (German Committee for Reinforced Concrete), October issue 2001, can be obtained from the information on execution (Appendix A) in the Certificate of Compliance.

Depending on exposure to chemicals, discolourations can occur. These do not, however, impair the technical function of the coating. Colour shades with organic pigments are particularly affected.

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 service life.

At low material and object temperatures, material consumption per m<sup>2</sup> increases due to the rise in viscosity.

The full chemical and mechanical resistance is achieved at +23 °C after 7 days. Low temperatures delay curing.

During this time the action of water on the surface can cause white discolouration (carbamate formation) and/or stickiness.

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Any yellowing which occurs under UV stress does not impair the technical properties.

**Cleaning the tools** After use, clean immediately with StoCryl VV

**Notes, recommendations, special information, miscellaneous** The Declaration(s) of Conformity can be obtained from the StoCretec Technisches InfoCenter  
General application instructions can be found at [www.stocretec.de](http://www.stocretec.de) (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.

The abrasion resistance class specified in the CE marking refers to the smooth, not scattered covering.

### Delivery

**Colour shade** RAL colour fan, wide colour shade variety

**Packaging** Pail

Article number	Name	Container
04848/021	StoPox DV 100 Combi tinted	12 kg combi
04848/020	StoPox DV 100 Set RAL7035	30 kg set
04848/019	StoPox DV 100 Set RAL7032	30 kg set
04848/018	StoPox DV 100 Set RAL7030	30 kg set
04848/017	StoPox DV 100 Set tinted	30 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** Sealer

**Safety** This product is subject to compulsory labelling 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,

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### StoPox DV 100

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and disposal.

Practical guide for dealing with epoxy resins: "Sicherer Umgang mit Epoxidharzen in der Bauwirtschaft".

And

Test report on the protective action of chemical protective gloves against epoxy resin coatings: "Handschuhe für lösemittelfreie Epoxidharz-Systeme" and "Schutzhandschuhe: Richtig anwenden"

[www.bgbau.de/gisbau/fachthemen/epoxi](http://www.bgbau.de/gisbau/fachthemen/epoxi)

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Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"

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#### 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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