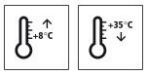
# Technical Data Sheet
# StoPox EZ 535

EP waterproofing layer



## Characteristics

**Area of application**

- as a waterproofing layer together with a nonwoven inlay for connections, edge waterproofing, and cast in units
- on cementitious substrates, bitumen sheets, galvanised steel, or coatable plastics

**Properties**

- very good adhesion to the substrate
- permanently elastic
- high pull-off resistance and shear strength

**Information/notes**

- the product does not constitute a waterproofing layer in accordance with DIN 18531 or EAD 030350-00-0402 (ETAG 005)

## Technical data

| Criterion | Standard / test specification | Value/ Unit | Notes |
|---|---|---|---|
| Viscosity (at 23 °C) | EN ISO 3219 | 1.800 - 2.600 mPa.s | mixture |
| Shore hardness type D | DIN 53505-D/EN ISO 868 | 26 - 32 | |
| Density (mixture 23 °C) | EN ISO 2811 | 1,00 - 1,06 g/cm³ | |

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**

Requirements on the substrate:
The substrate must be dry, load-bearing, and free from native and foreign release agents.
Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.

| | |
|---|---|
| | Substrate temperature higher than +8 °C and 3 K above dew point.<br>Average bond strength: 1.5 N/mm²<br>Bond strength, lowest single value: 1.0 N/mm² |
| **Preparations** | Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.<br>Pre-treat the galvanised substrates by cleaning them with a wetting agent mix. |
| **Application** | |
| **Application temperature** | Lowest application temperature: +8 °C<br>highest application temperature: +35 °C |
| **Time for application** | at +10 °C: approx. 150 minutes<br>at +23 °C: approx. 90 minutes<br>at +30 °C: approx. 60 minutes |
| **Mixing ratio** | component A : component B = 100.0 : 29.0 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.<br>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.<br>After mixing, pour the compound into a clean container and mix again.<br>Do not apply from the delivery container!<br><br>The temperature of the individual components must be at least +15 °C when mixing. |
| **Consumption** | Type of application: as a waterproofing layer<br>Approx. consumption: 2,0 - 2,5 kg/m²<br>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** | Connection between concrete and bitumen sheet (slated or scattered)<br>Prime coating of StoJet IHS, consumption approx. 300 - 500 g/m²<br>Also prime the surface of the bitumen sheet. |

# Technical Data Sheet
# StoPox EZ 535

| | |
|---|---|
| | Quartz sand scattering with StoQuarz 0.3 - 0.8 mm, consumption: approx. 1.0 kg/m² |
| | Connection between concrete and galvanised steel<br>Cleaning with an ammoniacal wetting agent mix (Südwest Zink- und Kunststoffreiniger)<br>Prime coating of StoPox 452 EP, consumption approx. 300 - 500 g/m²<br>Quartz sand scattering with StoQuarz 0.3 - 0.8 mm, consumption: approx. 1.0 kg/m² |
| | Waterproofing<br>StoPox EZ 535 and StoDivers V 300 or StoDivers N, StoPox EZ 535 coverage: 2.0–2.5 kg/m² |
| **Application** | |
| | The laminating or soaking process can be used for the StoPox EZ 535 system with the StoDivers V 300 or StoDivers N nonwoven. |
| | laminating process |
| | Decant StoPox EZ 535.<br>Lay the StoDivers V 300 or StoDivers N nonwoven crease-free into the fresh StoPox EZ 535. Overlap joints by approx. 5 cm.<br>Overlap joints by approx. 5 cm.<br>Laminate in with StoPox EZ 535. |
| | soaking process |
| | Soak the StoDivers V 300 or StoDivers N nonwoven in StoPox EZ 535.<br>Lay out the soaked StoDivers V 300 or StoDivers N nonwoven and smooth it out.<br>Overlap joints by approx. 5 cm. |
| | consumption: StoPox EZ 535 approx. 2.0 - 2.5 kg/m² |
| **Cleaning the tools** | Clean with StoDivers EV 100 immediately after use. |
| **Notes, recommendations, special information, miscellaneous** | General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual. |
| **Delivery** | |
| **Packaging** | pail and tin |

# Technical Data Sheet
# StoPox EZ 535

| | Article number | Name | Container |
|---|---|---|---|
| | 02274/017 | StoPox EZ 535 Set RAL7001 | 10 kg set |
| | 02274/016 | StoPox EZ 535 Set RAL7001 | 23 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.<br>See product packaging |

| **Identification** | |
|---|---|
| **Product group** | Waterproofing |
| **GISCODE** | RE90 |
| **Safety** | This product is subject to compulsory labelling in accordance with the current EU regulation.<br>You will receive an EU Safety Data Sheet with your first order.<br>Please observe the information regarding the handling of the product, its storage, and disposal.<br>Handling epoxy resins: “Praxisleitfaden für den Umgang mit Epoxidharzen”, (Practical guide for handling epoxy resins) and<br>test report: “Prüfbericht zur Schutzwirkung von acht Chemikalienschutzhandschuhen gegenüber EP-Beschichtungen” (Test report on the protective effect of eight chemical protective gloves against EP coatings),<br>Gloves: “Handschuhe für den Umgang mit lösemittelfreien Epoxidharzen” (Gloves for handling solvent-free epoxy resins), and<br>Protective gloves: “Die richtige Anwendung von Schutzhandschuhen” (The correct use of protective gloves)<br>Https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang-mit-epoxidharzen/<br><br>Published by:<br>BG BAU - Berufsgenossenschaft der Bauwirtschaft |

# Technical Data Sheet
# StoPox EZ 535

Hildegardstraße 29/30, 10715 DE-Berlin
Tel. (+49) 30 85781-0, Fax. (+49) 800 6686688-37400, www.bgbau.de

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

Published by:
Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA)
Friedrich-Henkel-Weg 1-25, 44149 DE-Dortmund
Tel. (+49) 231 9071-0, Fax. (+49) 231 9071-2454,
E-mail: poststelle@baua.bund.de, homepage: www.baua.de

**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.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
stocretec@sto.com
www.stocretec.de