

# Technical Data Sheet

## StoPox FBS LF

EP primer, fresh-concrete protector



### Characteristics

- Area of application**
- interior and exposed to the weather
  - on floors
  - as a priming coat for subsequent coatings
  - concrete substrates in accordance with the EN 206-1 series of standards

- Properties**
- fresh-concrete protector for floor areas

- Appearance**
- transparent

- Information/notes**
- determination of the barrier coefficient S(M) of concrete curing compounds in accordance with TL NBM-StB 96 (>75 %)
  - 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                   | 750 - 950 mPa.s               | mixture |
| Shore hardness type D   | DIN 53505-D/EN ISO 868        | 72 - 78                       |         |
| Density (mixture 23 °C) | EN ISO 2811                   | 1,03 - 1,09 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**
- Concrete in accordance with the DIN 1045 series of standards

After the concrete has set but is not yet fully hard (i.e. the fresh concrete is stable enough to be walked on), trowel the surface. The concrete surface is then slightly damp, and does not have a closed glossy water film any more.

Depending on the type of concrete and the project conditions, the waiting time for this is generally 3 - 6 hours after concreting.

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If smoothing by machine, use a power trowel with float pans instead of blades.

### Preparations

Use a steel or plastic brush (piassava bristles) to immediately remove the cement slurry produced during trowelling/smoothing or any accumulations of fine filler materials. Roughen the surface.

If it is not possible to apply fresh-concrete protector at this time, prepare the concrete substrate afterwards when it has reached strength using the normal preparation methods, e.g. shot-blasting.

### Application

#### Application temperature

Lowest application temperature: +8 °C  
Highest application temperature: +30 °C  
max. approved relative humidity: 85 %

#### Time for application

At +10 °C: approx. 120 minutes  
At +23 °C: approx. 60 minutes  
at +30 °C: approx. 20 minutes

Reworking time:  
At +8 °C: approx. 28 h  
At +23 °C: approx. 14 h  
At +30 °C: approx. 10 h

#### Mixing ratio

component A : component B = 100.0 : 45.0 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.

#### Consumption

| Type of application                   | Approx. consumption |                   |
|---------------------------------------|---------------------|-------------------|
| as primer, depending on the substrate | 0,4 - 0,8           | 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.

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### Application

Fresh-concrete protector

Immediately after removing the cement slurry, flood apply StoPox FBS LF using a rubber squeegee and then evenly spread it by rolling or brushing it in.

After applying the product using a rubber squeegee, wait approx. 15 minutes before brushing it in.

Application cycle 1: Consumption: approx. 0.2 - 0.4 kg/m<sup>2</sup>, depending on the absorption capacity of the substrate.

Application cycle 2: Consumption: approx. 0.3 - 0.4 kg/m<sup>2</sup>

Scatter StoQuarz sand over the second layer of StoPox FBS LF so there are no gaps, but do not scatter an excess.

Consumption: approx. 1 kg/m<sup>2</sup> and application cycle

After a waiting time of at least 5 days at a temperature of at least +8 °C, coating build-up can be continued using a StoCretec epoxy resin floor coating (e.g. StoPox KU 601 or StoPox BB OS, see the relevant Technical Data Sheet).

If reworking with epoxy resin in thick layers, we recommend applying another prime coating of StoPox GH 205 in between.

### Cleaning the tools

Clean with StoCryl VV.

### Notes, recommendations, special information, miscellaneous

The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter  
General application instructions are available at [www.stocretec.de](http://www.stocretec.de) and in the notes of the latest Technical Manual.

### Delivery

| Article number | Name              | Container  |
|----------------|-------------------|------------|
| 14181/013      | StoPox FBS LF Set | 551 kg set |
| 14181/012      | StoPox FBS LF Set | 25 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

Primer

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## StoPox FBS LF

GISCODE

RE30

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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.

Handling epoxy resins: "Praxisleitfaden für den Umgang mit Epoxidharzen", (Practical guide for handling epoxy resins) and

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),

Gloves: "Handschuhe für den Umgang mit lösemittelfreien Epoxidharzen" (Gloves for handling solvent-free epoxy resins), and

Protective gloves: "Die richtige Anwendung von Schutzhandschuhen" (The correct use of protective gloves)

<https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang-mit-epoxidharzen/>

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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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