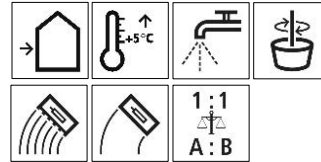


Technical Data Sheet

StoFlexyl

Organic filler for waterproofing and for protection from moisture



Characteristics

Area of application

- Exterior
- As a primer
- As a bonding mortar
- As a filler
- As a reinforcing compound
- As an undercoat
- For protection from moisture
- As an adhesive compound for bonding Sto-Plinth Insulation Boards in the plinth area and in the soil
- As a reinforcing compound in the splash zone and in the soil
- As a coating against moisture on finishing renders in the splash zone and in soil
- Not as masonry waterproofing
- Not as waterproofing in accordance with DIN 18533

Properties

- Provides protection against moisture in the plinth area and in the soil
- Good adhesion on bitumen substrates
- Highly versatile in use
- Sufficiently weather-resistant for use in plinth areas
- Crack extension: as reinforcement with mesh, approx. 2 %

Technical Data

| Criteria | Standard / test specification | Value/ Unit | Notes |
|-------------------------------------------------------------|-------------------------------|---------------------------------|-----------------------|
| Density | EN ISO 2811 | 1.1 - 1.3 g/cm ³ | |
| Water permeability rate w | EN 1062-1 | < 0.05 kg/(m ² h0,5) | |
| Water vapour diffusion-equivalent air layer thickness μ | EN ISO 7783 | 5,700 | average value, V3 low |
| Reaction to fire | EN 13501-1 | C-s1, d0 | Normal combustibility |
| Grain size | EN 1062-1 | < 500 μ m | S3 coarse |

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 firm, level, dry, load-bearing, and free from grease and dust. Damp or not fully cured substrates can lead to defects in the following coatings, e.g. bubble formation, cracks.
For use as bonding mortar: max. unevenness of the substrate 1 cm/m.

Preparations

Check existing coatings for their suitability and load-bearing capacity. Remove any non load-bearing or structurally weak coatings. Clean the substrate if necessary.

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Application

Application temperature Lowest temperature of substrate and air: +5 °C
 Highest temperature of substrate and air: +30 °C

Mixing ratio 1 : 1 parts by weight

Material preparation Mix the product in the specified mixing ratio with StoFlexyl Cement, cement CEM I, cement CEM II A/LL, or cement CEM II B/LL with a paddle mixer until a homogeneous mass is produced.
 Add water to adjust to the required application consistency.

| Consumption | Type of application | Approx. consumption |
|-------------------------------------------------|----------------------------------------------|------------------------|
| | waterproofing (dry layer thickness ≥ 3.0 mm) | 3.90 kg/m ² |
| reinforcement (dry layer thickness ≥ 2.0 mm) | 1.30 kg/m ² | |
| moisture barrier (dry layer thickness ≥ 0.7 mm) | 0.50 kg/m ² | |
| bonding | 2.00 kg/m ² | |

(consumption in kg/m²: specifications without cement)

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.

Application Manually, with a suitable tool (e.g. finishing trowel, notched trowel, block brush, etc.)
 As bonding mortar:
 Apply the product onto the insulation boards with a 10 x 10 mm mm notched trowel.
 As waterproofing compound:
 Notes:
 – bonded proportion for spot/edge bonding: at least 40 %
 – First, apply a scratch coat to the wall structure.
 – Apply the product onto the primer (adhesion primer) with a minimum layer thickness of 3 mm.
 As a primer or coating against moisture:
 Dilute the product with approx. 10 % water.
 Apply two coats of the material as slurry using a brush.
 As reinforcing compound:
 Apply the product onto the insulation boards with a rust-free steel trowel.
 Embed the Sto-Glass Fibre Mesh and smooth the surface.

Drying, curing, ready for next coat Drying time depends on temperature, wind, and relative humidity. During unfavourable weather conditions, it is very important to apply suitable protective measures (e.g. protection against rain/solar protection) to any freshly completed facade surface or one to be treated.
 At +20 °C temperature (air and substrate) and 65 % relative humidity, the product is over-coatable after 24 hours at the earliest.

Cleaning the tools Tools must be cleaned immediately after use with cleaning water

Notes, recommendations, special information, miscellaneous Please consult the local sales office for further information and any site assistance required.

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Delivery

| | |
|---------------------|------------------------------------------------------------------------------------------------------|
| Colour shade | Grey / White Raw compound: light grey with cement: cement-grey with StoFlexyl Cement: white |
|---------------------|------------------------------------------------------------------------------------------------------|

| Packaging | Article number | Name | Packing |
|-----------|----------------|-----------|---------|
| | 00780-007 | StoFlexyl | 18 kg |

Storage

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions | Store in cool dry conditions; avoid direct sunlight. |
| Storage life | The quality of the material in its original container is guaranteed for the maximum stated storage life. The storage life information is included in the batch number on the container. Batch number explanation: Number 1 = the last number of year, numbers 2 + 3 = a week i.e.: 1450013223 – stock date until the 45th week of the year 2021 |

Identification

| | |
|----------------------|--------|
| Product group | Filler |
|----------------------|--------|

| | |
|---------------|------------------------------------|
| Safety | Please refer to Safety Data Sheet. |
|---------------|------------------------------------|

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 www.sto-sea.com.

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*Product images may differ from the actual product.