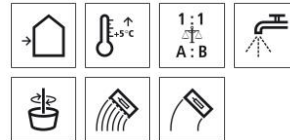


Technical Data Sheet

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

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

Criterion	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 h ^{0.5})	
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 μm	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

Technical Data Sheet

StoFlexyl

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 subsequent 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.

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 \geq 3.0 mm)	3.90	kg/m ²
reinforcement (dry layer thickness \geq 2.0 mm)	1.30	kg/m ²	
moisture barrier (dry layer thickness \geq 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:

Technical Data Sheet

StoFlexyl

- 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

Clean tools with water immediately after use.

Notes, recommendations, special information, miscellaneous

For further application instructions, see the application guidelines for the systems.

Delivery

Colour shade

grey/white

Raw compound: light grey
with cement: cement-grey
with StoFlexyl Cement: white

Packaging

Pail

Storage

Storage conditions

Store in tightly sealed original container in cool and frost-free conditions. Protect from direct sunlight.

Storage life

Provided the storage conditions are adhered to, the quality of the product in its unopened, original container is guaranteed until the maximum storage life has expired. The storage life can be deduced from the batch number of the container. Batch number explanation:
Number 1 = the last number of year, numbers 2 + 3 = a calendar week
example: 6450013223 – storage life until week 45 of 2026

Technical Data Sheet

StoFlexyl

Use promptly after opening. Contamination, e.g. due to a soiled tool, can shorten the shelf-life.

Certificates/approvals

test certificate No. 220011446-15-2	StoFlexyl mixed with StoFlexyl Cement Test of the depth of water penetration on the basis of EN 12390-8
test certificate No. 220011446-15-1	StoFlexyl mixed with Portland cement Test of the depth of water penetration on the basis of EN 12390-8

Identification

Product group Filler

Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
 Polymer dispersion
 silicate extenders
 mineral extenders
 organic extenders
 Water
 Glycol ether
 Hydrophobic agents
 Flow improver
 Thickener
 anti-foaming agents
 storage protection agent based on 1,2-benzisothiazol-3-one (BIT)
 storage protection agent based on bronopol (INN)

Safety

Observe the Safety Data Sheet!
 Safety instructions refer to the ready-to-use, unapplied product.

EUH210

Safety data sheet available on request.

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-2H-isothiazol-3-one.
 May produce an allergic reaction.

These are preservatives.

Technical Data Sheet

StoFlexyl

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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