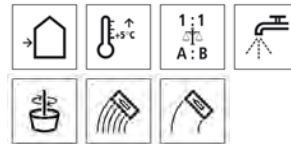


Technical Data Sheet

StoFlexyl

Organic filler for sealing in the plinth area or in the soil



Characteristics

Application

- exterior
- as a primer, bonding mortar, filler, reinforcement, priming coat and sealing compound
- as an adhesive compound for bonding Sto-Plinth Insulation Boards in the plinth area and in the soil
- as a reinforcing compound for reinforcement in the splash zone and in the soil
- as a moisture protection coat for coating over the finishing render in the splash zone and in the soil

Properties

- moisture protection in the soil and plinth area
- good adhesion to bitumen substrate
- highly versatile in use
- no masonry sealing effect

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	1.1 - 1.3 g/cm ³	
Water permeability rate w	EN 1062 -3	< 0.05 kg/(m ² *h ^{0.5})	
Water vapour diffusion resistance factor μ	EN ISO 7783-2	5,700	average value
Fire behaviour (class)	DIN 13501-1	B-s1, d0	Flame retardant
Grain size	EN 1062-1	< 500 μm	S3 coarse

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended purpose.

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 subsequent coats, such as blistering or cracks.

Preparations

Check existing coatings for their suitability and load-bearing capacity. Remove any non load-bearing or structurally weak coatings. The substrate must be cleaned where necessary.

Application

Application temperature

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

Technical Data Sheet

StoFlexyl

Mixing ratio StoFlexyl / Cement CEM I 32.5 = 1.0 : 1.0 parts by weight

Material preparation Add cement CEM I 32.5 according to the above-mentioned mixing ratio. Stir homogeneously with a mixer. Use water to achieve application consistency.

Consumption	Type of application	Approx. consumption	
	Sealing	3.90	kg/m ²
Bonding	2.00	kg/m ²	
Primer and moisture protection coat	0.50	kg/m ²	
Reinforcement	1.30	kg/m ²	

The consumption of the material depends on the application method, substrate and consistency, amongst other factors. The specified consumption values are only to be used as a guide. Where required, exact consumption should be established on the respective project.

All specifications without cement, when adding cement double the value.

Application Manually

As sealing compound:
Fill on primer (adhesion primer). Do not go below the minimum consumption/layer thickness (3 mm).

As bonding mortar:
Apply onto insulation boards with a 15 x 15 mm toothed trowel (in case of substrate unevenness of up to max. 1 cm/m).

As primer or moisture protection coat:
Dilute with approx. 10% water, apply with a brush.

As reinforcing compound:
Apply onto the insulation boards with a rust-free steel trowel. Embed Sto-Glass Fibre Mesh and smooth the surface.

Drying, curing, reworking time The drying time depends on the temperature, wind and relative humidity. During unfavourable weather conditions it is imperative that suitable protective measures (e.g. protection against rain) be applied to the work in progress and freshly completed facades.

Successive coats may be applied after 24 hours when the air and foundation/base temperature is of about +20°C and the relative humidity is of 65%.

Cleaning the tools Clean tools with water immediately after use.

Indications, recommendations, special information, miscellaneous Further details for application can be found in the system-related application guidelines.

Technical Data Sheet

StoFlexyl

Delivery

Colour shade	Grey
	raw compound: light grey with cement: cement-grey

Storage

Storage conditions	Store tightly sealed in frost-free conditions. Protect against heat and direct sunlight.
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Storage life	The quality of the original package is guaranteed until stock by date. The stock by date can be deduced from the batch number of the package. 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 2011
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Certificates / approvals

Z-33.41-116	StoTherm Classic / Vario, bonded on solid substrates National technical approval
Prüfzeugnis 21 0593 0 99	StoFlexyl - water impermeability Testing water permeability
Prüfbericht 105 35965/8	Waterproofing system window - structure, resistant to driving rain Testing resistance to driving rain

Identification

Product group	Filler
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Composition	In accordance with VdL (German Paint and Printing Ink Association) guideline: Construction coating materials for buildings, Polymer dispersion, Quartz, Calcium carbonate, Water, Glycol ether, Additive, Preservative
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Security	Please observe safety data sheet
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Special information

The information or data serves to ensure the product's intended purpose or its suitability for use and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use. Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation with Sto AG. Where no approval is given, such applications are at the risk of the user. 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 at www.sto.com.



Technical Data Sheet

StoFlexyl

Sto AG
Ehrenbachstr. 1
D - 79780 Stühlingen
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
Infoservice.export@stoeu.com
www.sto.com