

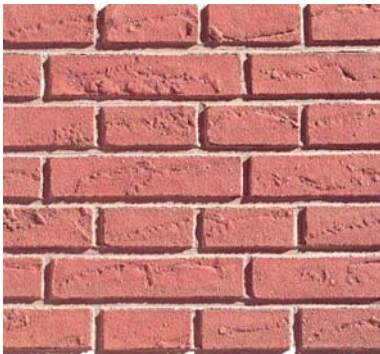
TECHNICAL DATA SHEET

No. 0762/INT.EN
Rev.-No. 40/05.2009



Sto Brick Slips (Sto-Flachverblender)

Hand formed brick slips providing the aesthetics of brick facades.



Material description

Type of material

Acrylic render brick slips which simulates brickwork.

Water-based material containing an organic binder, mineral fillers and additives.

Binder

Acrylate mixed polymer dispersion.

Fillers

Mineral fillers: quarz sand, ground quartz.

Additives

Preservatives, white and coloured inorganic pigments.

Uses

Uses

On wall surfaces as top coat on:

- Sto External Wall Insulation Systems (EWIS):
 - StoTherm Classic

- Rainscreen ventilated facade system:
 - StoVentec Facade (Verotec Futur Facade)
- EWIS renovation system:
 - StoReno Facade
- all load-bearing mineral and organic substrates

Areas of use

For exterior use.

Restrictions

- Do not apply on damp substrates.
- Not for horizontal ext. surfaces.

Uses not clearly described in this Technical Data Sheet should only take place after consultation with Sto AG.

Application

Substrate

The substrate should be load-bearing, level, clean and dry as well as free of efflorescences and separating agents.

Critical substrates must be tested for suitability (create a test surface).

Substrate preparation

When used onto mineral substrates (only after consultation with Sto technical department) the substrate must be primed using Sto Primer (Sto-Putzgrund).

Coating procedure

Adhesive

Sto Adhesive and Joint Mortar (Sto-Klebe- und Fugenmörtel)

Top coat

Sto Brick Slips (Sto-Flachverblender)

Joints

Sto Adhesive and Joint Mortar (Sto-Klebe- und Fugenmörtel)

Application

Apply Sto Adhesive and Joint Mortar (Sto-Klebe- und Fugenmörtel) vertically with a 6x6mm toothed trowel starting in the corners of the facade. Apply the brick slips between the marking lines and press firmly into the mortar. Immediately afterwards brush evenly over the joints using a flat paint brush.

Important!

Apply only so much material that can be used before the adhesive mortar begins to form a skin.

Product characteristics

- Natural stone character due to bespoke manufacture.
- Highest possible security against impact.
- Nearly unlimited variety of sizes, finishes and colours.
- Extremely resistant to effects of weathering. Provide lasting protection against rain and frost.

Remove adhesive from areas which are not to receive brick slips before the adhesive dries.

Apply the brick slips from the top of the facade downwards within the marking lines.

The brick slips should be slid slightly from side-to-side whilst being pressed firmly into the fresh adhesive mortar.

Ensure that there are no voids or cavities behind the brick slips. It is essential that they are fully bonded.

Slips may be mixed with different packs from the same charge.

Consumption

See table 1.

Application temperature

Air, substrate and material temperature should not be less than + 10 °C.

Cleaning of tools

Immediately after use with water.

Supply

Product code and name

See table 1.

Thickness

Approx. 5 mm.

Sizes

4 standard sizes: See table 1.

Individual sizes on request.

Colours

Available in 6 selected standard colours:

Celle	2078B
Husum	2979B
Luebeck	2080B
Ruegen	2081B
Verden	2082B
Xanten	2083B

Individual colours on request.

Table 1: Product range

Art.-No.	Typ	Size [mm]	Consumpt. [pcs]	Packaging quantity
Sto Brick Slips				
00762-002	I	210 x 48	76 / m ²	3,0 m ²
00766-002	II	240 x 52	64 / m ²	3,0 m ²
02135-002	III	240 x 71	48 / m ²	3,0 m ²
04835-001	UK	215 x 65	59 / m ²	3,0 m ²
00761-003		individual		approx. 3,0 m ²
Sto Corner Brick Slips 3/4				
00764-002	I	155/100 x 48	17 / m	3,0 m
00768-002	II	180/115 x 52	16 / m	3,0 m
02136-002	III	180/115 x 71	12 / m	3,0 m
04836-001	UK	161.25/102.5 x 65	13 / m	3,0 m
00763-003		individual		approx. 3,0 m
Sto Corner Brick Slips 4/4				
00774-002	I	210/100 x 48	17 / m	3,0 m
00776-002	II	240/115 x 52	16 / m	3,0 m
02137-002	III	240/115 x 71	12 / m	3,0 m
04837-001	UK	210/102.5 x 65	13 / m	3,0 m
00765-003		individual		approx. 3,0 m
Sto Adhesive and Joint Mortar (Sto-Klebe- und Fugenmörtel)				
00760-001		9 colours	3-4 kg/m ²	pail, 25 kg

Storage and transport

Storage

Store in dry conditions.
Protect from direct sunlight.

Storage life

Product can be stored for an unlimited time.

Transport

No special protective measures or hazardous goods markings are necessary.

Environment and health

Health

Application of Sto Brick Slips poses no known or suspected health risk when correct procedures are followed.

The applied material likewise poses no known or suspected health risk in the light of present knowledge.

Risk warnings (R-phrases)

None.

Safety precautions (S-phrases)

None.

Disposal

Waste has to be disposed of considering the local, official regulations.

Can be disposed of with normal building site rubbish.

Waste key in accordance with the European Waste Catalogue:
08 01 12.

For further information on handling, storage and disposal of the product, please refer to the current EU Material Safety Data Sheet, available for professional users. (Relevant data).

Physical data

Physical data

See table 3a and table 3b (incl. Sto Adhesive and Joint Mortar).

Certificates and test reports

General approvals for use as a construction material in Germany
See table 2.

European Technical Approvals, EOTA, Brussels:

ETA-03/0027: StoTherm Classic 1
ETA-05/0098: StoTherm Classic 2
ETA-06/0004: StoTherm Classic 3

ETA-07/0156: StoTherm Classic 1 MW/MW-L
ETA-07/0088: StoTherm Classic 2 MW/MW-L

ETA-05/0130: StoTherm Vario 1
ETA-06/0457: StoTherm Vario 3
ETA-06/0107: StoTherm Vario 4
ETA-03/0037: StoTherm Vario 5

Approvals, certificates, test reports o.ae. on request.

Table 2: General approvals for use as a construction material in Germany

System *)	Approval DIBt
1. StoTherm Classic	
External Wall Insulation System (EWIS). <i>Insulation with EPS board, finish with organic top coat</i>	
Fixing system: Adhesive, Top coat with e.g. Sto Brick Slips	Z-33.41-116
Fixing system: Adhesive and dowels, Top coat with e.g. Sto Brick Slips	Z-33.43-61
Fixing system: Mechanical fastenings, Top coat with e.g. Sto Brick Slips	Z-33.42-129
2. StoTherm Wood	
External Wall Insulation System (EWIS).	
For solid wall constructions Top coat with e.g. Sto Brick Slips	Z-33.43-925
For timberframe constructions Top coat with e.g. Sto Brick Slips	Z-33.47-659

*) Detailed system: See approval

Also the StoTherm System approvals: Z-33.47-811, Z-33.44-134 and Z-33.49-742

DIBt = Deutsches Institut für Bautechnik in Berlin

Supervision: FMPA-Forschungs- und Materialprüfungsanstalt Baden-Württemberg in Stuttgart

General information

For all contracts - whether made verbally or in writing - Sto AG general conditions of sale apply.

Validity

This Technical Data Sheet is valid outside Germany, in all countries without Sto subsidiary.

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United Kingdom Sto Ltd. Glasgow G52 4TG	China Shanghai Sto Ltd. Shanghai 200001	Malaysia Sto SEA Sdn. Bhd. 81750 Masai, Johor	Singapore Sto SEA Pte Ltd Singapore 575625	USA Sto Corp. Atlanta, Georgia 30331

Table 3a: Physical data Sto Brick Slips

	Tested to	Value/Test result		Unit
Density in supplied form	EN ISO 2811	1,60 - 1,80		[kg/dm ³]
Fire behaviour Fire protection class	DIN 4102	B1 heavy inflammable		
Thermal conduction Thermal conductivity λ (calculation value)	DIN 4108	0,70		[W/m.K]
Water vapour diffusion Water vapour transmission rate V	EN ISO 7783-2	36 - 42	class 2	[g/m ² .d]
Diffusion-equivalent to air layer thickness sd (material thickness = 5 mm)	EN ISO 7783-2	0,49 - 0,58		[m]
Water vapour diffusion resistance factor μ	EN ISO 7783-2	100 - 120		[1]
Water permeability Liquid-water transmission rate w	EN 1062-3, § 10	< 0,01	class 3	[kg/m ² .h ^{0,5}]

Table 3b: Physical data Sto Adhesive and Joint Mortar

	Tested to	Value/Test result		Unit
Density in supplied form	EN ISO 2811	1,60 - 1,80		[kg/dm ³]
Fire behaviour Fire protection class	DIN 4102	B1 heavy inflammable		
Thermal conduction Thermal conductivity λ (calculation value)	DIN 4108	0,70		[W/m.K]
Water vapour diffusion Water vapour transmission rate V	EN ISO 7783-2	8 - 10	class 3	[g/m ² .d]
Diffusion-equivalent to air layer thickness sd	EN ISO 7783-2	2,10 - 2,60	class 3	[m]
Water vapour diffusion resistance factor μ	EN ISO 7783-2			[1]
Water permeability Liquid-water transmission rate w	EN 1062-3, § 10	< 0,10	class 3	[kg/m ² .h ^{0,5}]

With the indication of the characteristic values it concerns average values. Due to the use of natural raw materials in our products the actual value can deviate slightly, without impairment of the product suitability.

Appendix: Masonry bond

