

Technical Data Sheet

StoCleyer B

Resin brick slips, optimised for insulation systems



Characteristics

- Area of application**
- exterior
 - as cladding
 - on external wall insulation systems, rainscreen cladding facades, and solid substrates

- Properties**
- low mass per unit area
 - high resistance to weathering
 - eco-certified (redCert[®])
 - high dimensional accuracy

- Format**
- bricks: commonly available standard formats
 - moulded parts: see appendix
 - formats: in accordance with the appendix
 - customised adjustments
 - dimension and tolerances:
length: ± 1.5 mm
width: ± 1.5 mm
thickness: 4 mm ± 0.5 mm, averaged value for rough textures
thickness in the corner of moulded parts: 3-6 mm

- Appearance**
- stone appearance: natural appearance thanks to individual manual production
 - range of design options: colour shades, textures, formats
 - smooth to manually roughened textured

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Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.6 - 1.8 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783	0.49 - 0.58 m	V2 medium
Water permeability rate w	EN 1062-1	< 0.1 kg/(m ² h ^{0.5})	W3 low
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	110	average value
Dry layer thickness	EN 1062-1	4,850 μ m	E5 > 400
Grain size	EN 1062-1	< 1,500 μ m	S3 coarse

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Mass per unit area	10 kg/m ²	gemittelter Wert, incl. Klebe- und Fugenmörtel
Mass flow density V	EN ISO 7783	medium

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

- Substrate in general:
- firm, dry, clean, load-bearing
 - Free from sinter layers, efflorescence, and release agents
- Mineral substrates:
- Prime the substrate with Sto-Primer.
- In timber frame construction:
- A building physics calculation is necessary.
 - Alternative intermediate coating: StoPrep Miral
- Mineral lightweight base coats:
- Only use after consultation with Sto SE & Co. KGaA.

Application

Application temperature substrate and air temperature
minimum temperature: +5 °C

Consumption	Type of application	Approx. consumption
	depending on the format, see appendix	

The specified consumption values relate to an application in accordance with the rules for format and masonry bond. If required, precise consumption values can be determined on the project in question.

Coating build-up

- 1) bonding: Sto-Bonding and Pointing Mortar
- 2) cladding: StoCleyer B
- 3) pointing: Sto-Bonding and Pointing Mortar

Application

- Notes on deviations:
- StoCleyer B may have different colour shades due to production methods.
 - Recommendation: take the StoCleyer B from different boxes to obtain a uniform appearance.
 - Different batches, subsequent deliveries: visually compare the StoCleyer B

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before application to identify any possible differences.

- StoCleyer B according to customer or project specifications: visually compare the StoCleyer B with the sample before application to identify any possible differences.
- Superficial cracks up to 1.5 mm, distributed over the entire width, are possible in the corner of the moulded parts.

Notes on installation:

- Laying StoCleyer B: start in the corner area.
- Lay the StoCleyer B from top to bottom, in rows, and within the markings.
- Bond and point the StoCleyer B directly onto the system reinforcement.

- 1) Apply the Sto-Bonding and Pointing Mortar horizontally. tools: Sto-Finishing Trowel, notching: 4 x 6 mm, 6 x 6 mm
- 2) Only apply as much mortar and allow to dry before a skin forms.
- 3) Remove the mortar on areas that are not, or not yet, being worked on.
- 4) With a slightly sliding motion, press the StoCleyer B firmly and full-faced into the freshly applied mortar.
- 5) Ensure that there are no gaps or cavities.
- 6) Evenly rework the joint areas immediately by applying the adhesive bed. tools: flat paint brush

Cleaning the tools	Clean tools with water immediately after use.
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Delivery

Colour shade	see range overview
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Possible special options	Special colour shades and special formats are possible.
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Packaging	Box
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Storage

Storage conditions	<p>Storage:</p> <ul style="list-style-type: none"> - Dry and frost-free - Floor-free and horizontal - Do not apply at temperatures below +10 °C - Do not stack pallets - Protect from soiling and effects of the weather, e.g. direct sunlight, rain, soiling
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Condensation:

- Avoid condensation in the film packaging, e.g. caused by temperature fluctuations

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Certificates/approvals

ETA-05/0098	StoTherm Classic® 2 (EPS and StoLevell Classic/StoLevell Classic QS/Sto-RFP) European Technical Assessment
ETA-09/0266	StoTherm Classic® 8 (timber frame construction - EPS and StoArmat Classic/Classic plus) European Technical Assessment
ETA-20/0465	StoTherm Classic® 11 (EPS and StoArmat Classic HD + StoAdditiv HD) European Technical Assessment
ETA-07/0088	StoTherm Classic® 2 (MW/MW-L and StoLevell Classic) European Technical Assessment
ETA-09/0288	StoTherm Classic® 5 (MW/MW-L and StoArmat Classic plus/StoArmat Classic plus QS) European Technical Assessment
ETA-18/0582	StoTherm Classic® 8 (timber frame construction - MW/MW-L and StoArmat Classic S1/StoLevell Classic + QS/Sto-RFP QS + European Technical Assessment
ETA-20/0480	StoTherm Classic® 11 (MW/MW-L and StoArmat Classic HD + StoAdditiv HD) European Technical Assessment
ETA-05/0130	StoTherm Vario 1 (EPS and StoLevell Uni) European Technical Assessment
ETA-06/0045	StoTherm Vario 3 (EPS and StoLevell Novo) European Technical Assessment
ETA-06/0107	StoTherm Vario 4 (EPS and StoLevell Duo) European Technical Assessment
ETA-03/0037	StoTherm Vario 5 (EPS and StoLevell Alpha) European Technical Assessment
ETA-13/0581	StoTherm Mineral 8 (timber frame construction - MW-L and StoLevell Uni/StoLevell Novo, fixing: bonded) European Technical Assessment
ETA-08/0303	StoTherm Wood 1 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT/StoLevell Novo, fixing: anchor-fixed) European Technical Assessment
ETA-09/0304	StoTherm Wood 2 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT, anchor/adhesive) European Technical Assessment
ETA-09/0267	StoTherm Resol European Technical Assessment
ETA-13/0580	StoTherm Resol Plus European Technical Assessment
ETA-17/0705	StoTherm Basic EPS European Technical Assessment
ETA-17/0706	StoTherm Basic MW/MW-L European Technical Assessment

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ETA-17/0406

StoVentec R
European Technical Assessment

Identification

Product group Resin brick slips

Safety

The product is a manufactured item. The creation of a safety data sheet in accordance with the REACH Regulation (EU) No. 1907/2006, Annex II, is not required.
Detailed information can be found at www.sto.de under the category Service & Tools / REACH regulation.

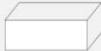



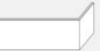

Special notes

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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	Original	Riemchen	Kopf	3/4-Eckwinkel	4/4-Eckwinkel	Sturzwinkel
Waal-Format (NL)	210 x 100 x 50 72 Stück/m ²	210 x 50	100 x 50 144 Stück/m ²	155/100 x 50 16 Stück/m	210/100 x 50	210 x 100/50 4,5 Stück/m
Waal-Format (EU)	210 x 100 x 48 76 Stück/m ²	210 x 48	100 x 48 152 Stück/m ²	155/100 x 48 17 Stück/m	210/100 x 48	210 x 100/48 4,5 Stück/m
Normalformat (D)	240 x 115 x 71 48 Stück/m ²	240 x 71	115 x 71 96 Stück/m ²	178/115 x 71 12 Stück/m	240/115 x 71	240 x 115/71 4 Stück/m
Dünformat (DE)	240 x 115 x 52 64 Stück/m ²	240 x 52	115 x 52 128 Stück/m ²	178/115 x 52 16 Stück/m	240/115 x 52	240 x 115/52 4 Stück/m
Englisches Format (UK)	215 x 102.5 x 65 58 Stück/m ²	215 x 65	102 x 65 116 Stück/m ²	159/102 x 65 13 Stück/m	215/102 x 65	215 x 102/65 4,5 Stück/m
Französisches Format (F)	220 x 105 x 60 60 Stück/m ²	220 x 60	105 x 60 120 Stück/m ²	163/105 x 60 14 Stück/m	220/105 x 60	220 x 105/60 4,5 Stück/m
Langformat (2DF lang)	490 x 115 x 52 32 Stück/m ²	490 x 52	240 x 52 64 Stück/m ²	aus Dünformat (DE)	--	--

StoCleyer B: consumption per m² according to the format

Sto SE & Co. KGaA
 Ehrenbachstr. 1
 79780 Stühlingen / Germany
 Phone: +49 7744 57-0
 Fax: +49 7744 57-2178
 Infoservice.export@sto.com
 www.sto.com