

Klinkerriemchen

Ceramic brick slips for a decorative surface design for application in the alsecco facade insulation systems.



AREAS OF APPLICATION

Brick strips as facing in the alsecco facade insulation systems or alsecco rendering applied to monolithic substrates

PRODUCT PROPERTIES

- Fireproof
- Colourfast and light-resistant
- Extensive variety of designs

TECHNICAL DATA

Water absorption

Refer to delivery sheet

≤ 6 % according to DIN EN ISO 10545-3 for application in flame-retardant system models based on EPS insulating materials.

≤ 3 % according to DIN EN ISO 10545-3 for application in fireproof system models based on mineral wool insulating materials.

< 6 % according to DIN EN ISO 10545-3 for application on Alsitop SF

Formats

	Normal size (NF)	Thin size (DF)
Brick slips	240 x 71 mm	240 x 52 mm
Corner bricks	240 x 71 x 115 mm	240 x 52 x 115 mm

Other sizes upon request.

Thickness

6 - 15 mm

Pore volume

≥ 20 mm³/g according to DIN 66133

Maximum pore radii

> 0,2 µm according to DIN 66133

Frost resistance

Resistance according to DIN EN ISO 10545-12 or DIN 52252-1 at 50 freeze-thaw cycles

APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be stable, level and free of any residue, which can reduce adhesiveness.
Preparations for installing brick slips	<p>Due to the variation in the colour effect and dimensional tolerances of the ceramic cladding, the slips from different packs must be mixed before they are installed. We recommend opening several packs (at least 4) at the same time, taking a diagonal sequence from each pack, mixing them and then installing them. Evenly divide the surfaces to be laid with continuous height markings (chalk line), to define work steps.</p> <p>For a normal format (NF), a work step has a height of approx. 33 cm (4 veneer layers each 71 mm and 4 bed joints each 12 mm).</p> <p>For thin size (DF), a work step has a height of approx. 32 cm (5 veneer layers each 52 mm and 5 bed joints each 12 mm).</p> <p>Observe fixed lines when calibrating (e.g. windows, doors, brick-on-end courses, etc.)</p>
Application	<p>The product is generally applied in accordance with the code of practice for the installation of tiles and boards as cladding on facades (in accordance with DIN EN 18515-1). The construction project must comply with the approved planning documents, especially the joint layout and installation plan.</p> <p><u>Installation of clinker brick slips</u></p> <p>Once the reinforcement coat has hardened sufficiently, the clinker brick slips are fixed in position with a hydraulically setting thin-bed mortar using the buttering-floating method (combined method in accordance with DIN EN 18515-1). The mortar applied to the substrate should be combed with a 10 x 10 mm notched trowel. Before the ceramic cladding is offered up to the prepared bed of adhesive, the rear face of the clinker brick slips should also be coated with bedding mortar. The ceramic cladding units are then floated into the bed of mortar. Cavities behind the cladding should be avoided wherever possible.</p> <p>Only ever apply as much bedding mortar inside the height markings as can be covered within the open times of the adhesive.</p> <p>Always ensure that the adhesive is at least 3 mm thick when the cladding units have been floated into position. As soon as the cladding has been installed, scrape out the joints to an even depth and remove and bedding mortar.</p> <p>Ideally the clinker brick slips should be installed working from the bottom to the top, starting with the corners.</p>

Joint formation

The joints can be filled with joint mortar after an interval of at least four days.

Depending on the brick slip finish and the chosen façade system, the following joint mortars should be applied: On ETICS use Bedding Mortar A as adhesive and Joint Mortar A (joints filled by hand using a jointer) or Joint Mortar AS (slurry jointing) for the joints.

On Alsitop SF use Alsibond K as bedding mortar and Alsifill AK (joints filled by hand using a jointer) or Alsifill AS (slurry jointing) for the joints.

Please refer to the product data sheet of the relevant joint mortars for application details.

Creating movement joints

Structural movement joints must be incorporated with the same width. This involves complete system separation down to the bare wall.

Field definition joints must generally be planned and finished in accordance with the sizes and colours of the clinker brick slips, the orientation of the façade and the chosen ETICS build-up.

The dimensions of connection joints between the ETICS with ceramic cladding and building elements possessing other expansion coefficients, e.g. window and door frames, can be based on DIN 18540.

Consumption

	Brick slips	Corner bricks
Normal size (NF)	approx. 48 Stück / m ²	approx. 12 Stück / m
Thin size(DF)	approx. 64 Stück / m ²	approx. 16 Stück / m

The precise consumption depends on the joint width and the type of bond.

STORAGE

Dry

PACKAGING INFORMATION

Description	Size mm	Water absorption %	Description	Size mm	Water absorption %
KR-Design 01	240 x 71 x 10	< 3,0	KR-Design 26	240 x 71 x 15	< 3,0
KR-Design 03	240 x 71 x 14	< 3,0	KR-Design 27	240 x 71 x 10	< 6,0
KR-Design 04	240 x 71 x 14	< 6,0	KR-Design 28	240 x 71 x 10	< 3,0
KR-Design 05	240 x 52 x 15	< 3,0	KR-Design 39	240 x 71 x 10	< 3,0
KR-Design 06	240 x 52 x 14	< 6,0	KR-Design 31	240 x 71 x 10	< 3,0
KR-Design 07	240 x 71 x 14	< 6,0	KR-Design 32	240 x 71 x 10	< 3,0
KR-Design 08	240 x 52 x 15	< 6,0	KR-Design 33	240 x 71 x 14	< 3,0
KR-Design 09	240 x 71 x 14	< 6,0	KR-Design 34	240 x 71 x 14	< 3,0
KR-Design 10	240 x 71 x 15	< 6,0	KR-Design 35	240 x 52 x 14	< 3,0
KR-Design 12	240 x 71 x 9	< 6,0	KR-Design 36	240 x 71 x 15	< 3,0
KR-Design 13	240 x 71 x 10	< 6,0	KR-Design 37	240 x 71 x 10	< 6,0
KR-Design 14	240 x 71 x 10	< 6,0	KR-Design 38	240 x 71 x 9	< 3,0
KR-Design 15	240 x 71 x 14	< 6,0	KR-Design 39	240 x 71 x 14	< 3,0
KR-Design 16	240 x 71 x 14	< 3,0	KR-Design 40	240 x 52 x 14	< 3,0
KR-Design 17	240 x 52 x 15	< 6,0	KR-Design 42	240 x 71 x 10	< 6,0
KR-Design 18	240 x 71 x 10	< 3,0	KR-Design 43	240 x 71 x 10	< 6,0
KR-Design 20	240 x 71 x 15	< 6,0	KR-Design 44	240 x 71 x 15	< 3,0
KR-Design 21	240 x 71 x 15	< 3,0	KR-Design 45	240 x 71 x 15	< 3,0
KR-Design 22	240 x 71 x 14	< 3,0	KR-Design 46	240 x 52 x 15	< 6,0
KR-Design 23	240 x 71 x 14	< 3,0	KR-Design 47	240 x 52 x 15	< 6,0
KR-Design 24	240 x 52 x 15	< 3,0	KR-Design 48	240 x 71 x 14	< 6,0
KR-Design 25	240 x 71 x 14	< 3,0			

Other formats, surface finishes and edge options are available on request.

Packaging unit

Box

OTHER INFORMATION

Transportation	Not a hazardous material
Order	To avoid variations in batches, the total amount of brick slips needed for a construction project should be ordered at the same time. Subsequent deliveries can vary in shape and colour.
General information	Anti-graffiti coatings and treatments should only be applied by specialist contractors, as inappropriate application may adversely affect the surface.

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

