

Laibungsplatte EPS 031

Polystyrene reveal boards for alsecco façade systems

AREAS OF APPLICATION

Preformed polystyrene unit with special fleece coating for window and door reveals.

PRODUCT PROPERTIES

- Custom-made element with project-specific projection and length
- Fleece coating on both sides, with finishing-render effect
- Integrated edge profile with mesh to create a clean render finish
- Rapid and easy installation to create a reveal (no additional reinforcement necessary)
- Can be coated directly with top-coat render or façade paint

TECHNICAL DATA

Material	Fleece-laminated polystyrene
Fire behavior	B-s1, d0 according to DIN EN 13501-1
Rated value of thermal conductivity	0,031 W/(mK) (Insulation material)
Design	Board thicknesses: 12,5 mm, 20 mm and 30 mm Width: Cut to size up to 500 mm Length: Cut to size up to 3 m
Accessories	Connecting profile for reveal board without plaster strip (paint coating only) Connecting profile for reveal board with plaster strip (rendering, and paint coating if required) Connecting profile for reveal boards 3 D (apply render and paint coating if required)
Density	approx. 30 kg/m ³ (Insulation material)

APPLICATION CRITERIA

Area of application

Type of insulation material and bonding	The window has a reveal depth of > 80 mm in the shell of the building	The window is flush with the shell of the building or the existing rendering system	The window is flush with the insulation material or flush with the façade
Shear-resistant insulation material with bonding near the edges, ensuring good adhesion	Anschlussprofil für Laibungsplatten	Anschlussprofil für Laibungsplatte 3 D	Anschlussprofil für Laibungsplatte 3 D
Shear-resistant insulation material without bonding near the edges to ensure good adhesion	Anschlussprofil für Laibungsplatten	Anschlussprofil für Laibungsplatte 3 D	Anschlussprofil für Laibungsplatte 3 D
Shear-soft insulation material with bonding near the edges, ensuring good adhesion	Anschlussprofil für Laibungsplatten	Anschlussprofil für Laibungsplatte 3 D	Anschlussprofil für Laibungsplatte 3 D
Shear-soft insulation material without bonding near the edges to ensure good adhesion	Anschlussprofil für Laibungsplatten	Anschlussprofil für Laibungsplatte 3 D	Anschlussprofil für Laibungsplatte 3 D

APPLICATION INSTRUCTIONS

Substrate pre-treatment

All substrates must be sound, dry, even (DIN 18202 or 18203, as applicable), clean and free from adhesion-reducing residue. If necessary, pretreat substrates as specified in the application instructions for the adhesive.

Application

The length and depth of reveal board EPS 031 are determined onsite.

A suitable tool, e.g. Stanley knife, and a metal rule must be used to cut the unit to the exact size. Cut edges of the reveal board EPS 031 must be made smooth.

The cut edge must be smooth so that the join between reveal board EPS 031 and the connecting profiles can be finished so that it is resistant to driving rain. The reveal connecting profile or the connecting profile 3 D is cut to size on site, then pressed against and fixed to the window or door frame, making sure that the profile is correctly aligned, both vertically and horizontally.

The reveal board connecting profile is used for windows with a reveal depth ≥ 80 mm in the shell of the building. Once the reveal boards EPS 031 have been cut accurately to size, they are fitted tightly in the reveal connecting profile. The self-adhesive PE tape on the inside of the reveal connecting profile is activated just before the reveal board is bonded to the substrate.

The connecting profile 3 D can be used for any windows fitted into the shell of the building, flush with the shell or existing render and also for windows set further



forward in the plane of the insulation material. Once the reveal boards EPS 031 have been cut accurately to size, they are fitted tightly in the connecting profile 3 D. Please note that a bead of Joint Sealer MS must be applied to the connecting profile 3 D before the reveal board EPS 031 is fitted and bonded in position. To check that the reveal board EPS 031 is positioned correctly, the installation guide must be snapped off at the frangible joint (deliberate break point) immediately afterwards. Any excess joint sealer must either be smoothed over directly with a soft brush and some water, or it can be cut off carefully with a Stanley knife once the sealer has dried.

Align the reveal board EPS 031 so it is at right angles to the window frame and bond it plumb to the substrate. The horizontal reveal board in the lintel area is fixed between the vertical reveal boards.

The reveal board EPS 031 is bonded to the substrate once it has been inserted in the appropriate connecting profile for reveal boards. Apply Speed-Fix foam adhesive to attach the reveal board EPS 031 in position. To do this, slightly open the reveal board EPS 031 at the side and fill the gap with a surrounding bead of adhesive, and also apply beads to the centre of the main area. Ensure that the PUR foam adhesive achieves a bond of at least 40 % and that the board is securely fixed at the edges. Install the vertical reveal boards in their full length (up to the max. permissible length). We recommend securing the reveal board temporarily in position until the PUR foam has hardened. This can be done by inserting a plastic stud through the facade insulation mesh at the mesh lug on the edge profile. This helps to keep the reveal board in place to counteract the slight expansion of the PUR foam.

In conjunction with the shutter box it is important to make sure that the reveal board EPS 031 is positioned in a straight line with the interior surface of the shutter box.

Apply joint tape to connect the window sill board profile to the reveal board EPS 031.

Joint formation:

Joint Sealer MS is used for the joints between reveal boards at the long edges and corners. In the area of the butt joints between the boards, apply Joint Sealer MS to both sides of the reveal boards and press the reveal boards together. We recommend sanding the sides of reveal boards EPS 031 to create a slightly chamfered edge for a neat corner at the horizontal joints. The result is a smaller visible joint, but with sufficient room for the adhesive applied to the rear face of the element.

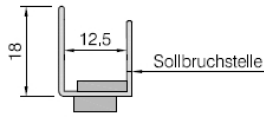
Coat of paint / render:

Please note: The internal fixing strip on the connecting profile for reveal boards must be removed before paint or render is applied.

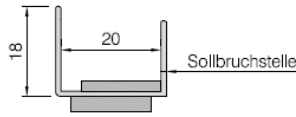
The reveal board EPS 031 can be coated directly with alsecco façade paints or with synthetic-resin and silicone-resin renders.

Consumption 1,00 m/m

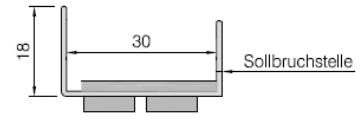
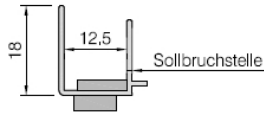
SKETCHES

Anschlussprofil für Laibungsplatten ohne Putzsteg
12,5 mm

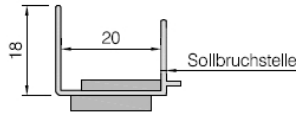
20 mm



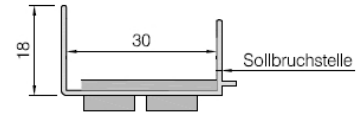
30 mm

Anschlussprofil für Laibungsplatten mit Putzsteg
12,5 mm

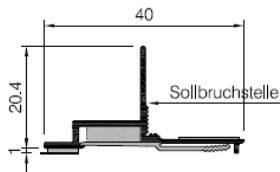
20 mm



30 mm



Anschlussprofil für Laibungsplatten 3D



STORAGE

Dry, protected against moisture and sunlight.

PACKAGING INFORMATION

Colour	Polystyrene insulation anthracite Fleece coating, front: white Fleece coating, rear: anthracite
Packaging unit	Project-specific delivery

OTHER INFORMATION

Transportation	Not a hazardous material
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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.