

Fensterbank SMART

Refined aluminium window sill profile



AREAS OF APPLICATION

Window sill in alsecco facade systems.

In combination with SMART edge profile and SMART butt connector tested for resistance to driving rain.

PRODUCT PROPERTIES

- Can be supplied in projections from 50 to 500 mm
- Corrosion resistant
- Object related manufacture

TECHNICAL DATA

Mortar category	Aluminium
Design	Height of the drip edge: 40 mm; height of the rear raised edge (screw strip) 25 mm with slots 4,2 x 7 mm at a distance of approx. 250 mm; slope: 5 degrees
Accessories	SMART edge profile SMART butt connector SMART jamb anchor SMART joint sealing tape ATPK sealing profile Contact joint sealing tape noise suppression tape window sill screws

APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be stable, level, clean, dry and free of any residue, which can reduce adhesiveness.
Montage	<p>When using window sill systems, which are not resistant to water penetration under driving rain, additional sealing beneath the window sill is absolutely required. (Here, compare: e.g. leaflet "Recommendations for the installation/replacement of metal window sills (ETICS) from the Gütegemeinschaft Wärmedämmung von Fassaden e.V.")</p> <p>Possibly existing cavities beneath the window sill must be eliminated using insulation material (e.g. taper insulation material 5 degrees), alternatively filling foam.</p> <p>Fixing the edge profiles by bonding or snapping on. In the process, pay attention to the precise position, in particular to the screw plate of the window sill.</p> <p>For fixing in the window frame groove: To caulk the connection joint to the window frame, adhere SMART joint sealing tape to the screw plate and respectively guide at least 5 cm of it around the corner on to the edge profile.</p> <p>For fixing on the window frame: To caulk the connection joint to the window frame, cut the ATPK sealing profile precisely to the length of the window sill and insert onto the screw plate.</p> <p>Fix the screw plate of the window sill SMART to the window frame using alsecco window sill screws. Install the window sill with an at least 8% or 5% slope, to ensure controlled water drainage.</p> <p>Window sill brackets corresponding to the application must be used for window sills, which are not otherwise held down (e.g. by bonding). Type and amount depend on the local circumstances at the place of installation; therefore, variations to the stated installation recommendations are possible.</p> <p>Window sill projections exceeding 15 cm require jamb anchor SMART as a support. The distance between the brackets as well as the lateral distance to the edge profile must not exceed 60 cm. A centre jamb anchor SMART usually suffices for window sills up to a length of 1.2 m. The jamb anchor is screwed into the brickwork.</p> <p>It is absolutely necessary to connect window sills with lengths longer than 3 m to the driving rain resistant SMART butt connector.</p> <p>Calibrate the insulation boards on the edge profile. Please observe: The subsequent surface of the reveal (the layer consists of insulation + reinforcement + finishing coat) must be flush with the inner surface of the edge profile.</p> <p>Cut out the recess for the edge profile on the calibrated insulation board, e.g. with the help of an edge profile saw.</p> <p>Adhere noise suppression tape on the rear of the window sill, to avoid pounding noises / reduce noise during rain and hail. The amount of noise suppression tape on the window sill should amount to at least 1/3 to 2/3 of the window sill projection.</p> <p>Adhere joint sealing tape Contact on the entire surface of the edge profiles, also on the bottom side of the window sill. The joint tape must be flush with the insulation boards; under no circumstances may it extend beyond that. It must be compressed on the edges (do not pull tightly over the edge), to attain a</p>

connection resistant to driving rain.

Adjust and install the prepared insulation board. Check the installation of the window sill once more before reinforcing. Complete the facade insulation system according to the general specifications. Separate the bottom side of the window sill from the reinforcement or finishing coat with a joint.

After applying the finishing coat, remove protective film from the window sill.

Consumption

1 m/m

Determine the precise material requirements on the respective object.

Information about the weather

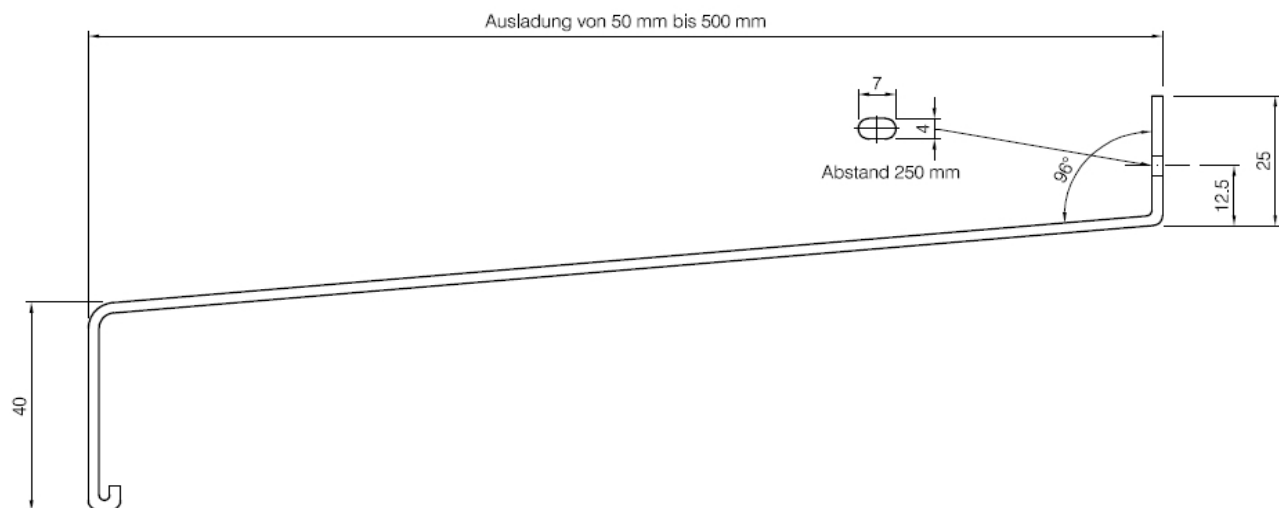
Temperatures below 5 °C may not arise during application and drying.

Do not apply in direct sunlight.

A saltwater-proof powder coating is required in coastal regions up to a distance of 30 km to the sea. Damage to components caused by filiform corrosion can occur without this coating. This additional corrosion protection (pre-anodisation) is possible upon request.

SKETCHES

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STORAGE

Dry, cool, upright and protect against sunlight and temperatures > 35 °C.

PACKAGING INFORMATION

Colour

naturally anodised, white powder coated (RAL-9016)

Special colours, if required with glinting or metallic effect, possible upon request at an extra charge.

Packaging unit

6 m lengths or cut to size

Projections 50, 70, 90, 110, 130, 150, 165, 180, 195, 210, 225, 240, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500 mm

OTHER INFORMATION

Transportation Not a hazardous material
Construction details Special raised edges, e.g. with recesses, transitions from projections, etc. upon request.

alsecco GmbH
Kupferstraße 50
D-36208 Wildeck
Phone 03 69 22 / 88-0
Fax 03 69 22 / 88-330
Internet: www.alsecco.de

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.



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