

# Putzträgerplatte 10 mm

render base for alsecco facade systems

## AREAS OF APPLICATION

Mineral render base for application in curtain-wall, rear ventilated facade system Airtec Render as well as for special constructions, e. g. shading systems and impact-resistant plinths in alsecco façade systems based on EPS and MW insulation materials.

## PRODUCT PROPERTIES

- Usable beyond high-rise limitations
- Reaction to fire A2-s1, d0 according to DIN EN 13501, fireproof
- High mechanical stability
- Easy to cut to size and drillable

## TECHNICAL DATA

Material	Calcium silicate compound
Fire behavior	A2-s1, d0 according to DIN EN 13501-1
Dimensions	1.200 mm x 1.250 mm x 10 mm 800 mm x 620 mm x 10 mm
Accessories	<p><b>Panel rivet:</b> Reliable assembly with unrestricted movement of the render bases due to defined fixed and sliding point attachment Material: aluminium AlMg3 shaft and stainless steel A2 mandrel dimensions: Ø shaft: 5 mm, length: 20 mm, Ø head: 14 mm</p> <p><b>Furring strips:</b> Quick application due to self-adhesive Material: highly tear-resistant mesh, polyester and adhesive 100% softener free Stability: UV resistant and rotproof, alkali-resistant</p>
Water vapour diffusion resistance $\mu$	17 - 21
Flexural strength	lengthwise: $\geq 11,2 \text{ N/mm}^2$ crosswise: $\geq 8,5 \text{ N/mm}^2$
Density	approx. $1.100 \text{ kg/m}^3$
pH-value	9 - 11
Resistance	frost-resistant

**APPLICATION INSTRUCTIONS****Preparation****Airtec Render:**

Installation of the substructure.

**ETICS based on EPS and mineral wool:**

To achieve a base formation flush with the facade, position insulation boards 1 cm thinner than on the remaining facade and bond them in a manner, so that the render base including the adhesive bed can be attached to the facade alignment.

**Application****Cutting the boards:**

Can be carried out with a circular saw, jigsaw or circular hand saw.

**Application in Airtec Render system:****Installation schematic:**

The render bases are installed with cross joints. The joint width between the boards must be 2-3 mm circumferentially.

The markings on the boards must be facing outwards and be horizontal (board 1,200 mm wide; 1,250 mm high).

The render bases may not cover the butt joints on the vertical support profiles.

**Fixing:**

For aluminium substructures, mount panel rivets according to the principle of fixed/sliding point on each vertical support profile.

**Minimum distance of panel rivets:**

5.5 cm from the top/lower render base edge

2.5 cm from the left/right render base edge

1.0 cm from the edges of the support profile

**Installing furring strips:**

Affix furring strips immediately prior to reinforcing. To do so, pull off the protective film on the back and adhere the furring strips centrally across the horizontal and vertical joints.

**Application in ETICS:****Fixing:**

Boards are installed in stretcher bond formation with approx. 2-3 mm joints.

Adhere render base to insulation boards with Armatop MP or insulation adhesive MK using bead-spot or buttering-floating method. Additional fixing of the board with at least 5 approved insulation disks. For this purpose, create a recess with alsecco milling machine cutter head for the insulation disk.

The insulation disks are arranged in the corner area of the board each with an edge distance of 10 cm and at least 1 plug in the centre of the board. If the respective ETICS calls for a greater number of plugs, these must be used.

Anchoring immediately after bonding in the fresh adhesive bed.

Additionally, 1 centred insulation disk is required on every joint between render bases and also those connecting adjacent insulation material for insulation material with low transverse tensile strength (mineral wool insulation boards type WAP-zg).



**Attainable levelling:**

Thin bed using buttering-floating technique: up to 4 mm

Thick bed using buttering-floating technique: up to approx. 6 mm

Bead-spot bonding: max. 10 mm

In the case of bead-spot bonding, ensure an at least 40% effective adhesive surface and a bonding close to the edges.

When installed on elasticised polystyrene or type WAP-zg mineral-wool insulation boards, the insulation material thickness is restricted to 200 mm.

**Reworking joints:**

Connection joints to insulating material must be sealed with filling foam B1, joints between the render bases must be sealed with the intended reinforcing mortar.

Solely mineral products can be used as joint sealants between the render base.

Transitions from render bases to insulation boards and grooves along render base joints in the reinforcement layer must be provided with double mesh embedding.

A minimum layer thickness of 4 mm for the reinforcement layer must be observed.

**Consumption**

1 m<sup>2</sup>/m<sup>2</sup> - render base

1,7 m/m<sup>2</sup> - furring strips

Panel rivets as per approval

Deviating consumption rates can result from the object-specific standard safety case.

**STORAGE**

Dry, cool, protected against sunlight and moisture.

**PACKAGING INFORMATION**

Colour

Antique white

Packaging unit

Please also refer to the current product range

**OTHER INFORMATION**

Information on safety

The information provided in the current safety data sheet applies.

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.



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