

BKM KS Climate plate PRO

Calcium silicate thermal insulation board, primed on room side
technical data sheet

1250 x 1000 x 25 mm	Article-No.: H-001-950
1250 x 1000 x 30 mm	Article-No.: H-001-952
1250 x 1000 x 50 mm	Article-No.: H-001-954

Product description

Product advantages

- Moisture regulating
- Mildew inhibiting
- Non-combustible
- Capillary active
- Room side pre-primed on the sanded panel side
- Environmentally compatible due to the use of natural raw materials

Specification

Material:	Calcium silicate, cellulose fibers
Fire behavior:	Class A1 according to EN 13501-1:2010 (according to ETA-19/0559)
Water vapor diffusion resistance number:	$\mu = 3$
Thermal conductivity:	$\lambda_D (23,50) = 0,059 \text{ W/(mK)}$ $\lambda_{\text{Rated value}} = 0,062 \text{ W/(mK)}$ (according to ETA-19/0559)
Density range:	$180 \text{ kg/m}^3 - 187 \text{ kg/m}^3$
Compressive strength:	$\geq 1.000 \text{ kPa}$
Water absorption coefficient:	$46 \text{ kg/m}^2/\text{h}$
Water saturation:	920 kg/m^3
pH-value:	ca. 10
Environmental Product Declaration:	EPD-CSP-20180010-IBC1-DE

Application areas

BKM KS Klimaplatte PRO significantly increases living comfort by providing interior insulation on walls and ceilings. By absorbing excessive room humidity, the formation of condensation on the walls and thus mold growth can be prevented.

Product application

Application

The following requirements must be met for the application of BKM KS Klimaplatte PRO on mineral substrates.

- Free of adhesion-reducing paints, wallpaper, oil, bitumen and salts.
- Clean, load-bearing and stress-free
- Permanently protected against rising damp and/or lateral moisture penetration.
- Mildew-free

To ensure full-surface bonding, all unevenness must be leveled in advance with a leveling plaster. Adjacent components such as windows, ceilings or floors must be decoupled with compression tape. In the case of highly absorbent substrates, the wall surfaces must be primed in advance.

Bonding is carried out using the comb bed method with a notched trowel (min. 10 mm), without voids and over the entire surface. Apply the adhesive to the substrate only for one board at a time and comb it off horizontally.

Then immediately apply the BKM KS Klimaplatte PRO by pressing evenly so that a full-surface bond is formed.

Ensure that the first row of panels is aligned vertically and horizontally; avoid cross joints.

Joints are preferably reinforced with joint fabric and not glued.

When gluing joints, the joint width must not exceed 3 mm.

Excess adhesive must be completely absorbed.

In the case of surfaces with increased loads, such as ceilings and wall slopes, the BKM KS Klimaplatte PRO must be additionally fastened with 4 dowels per sqm.

From a room height of 3.50 m, the BKM KS Klimaplatte PRO must generally be fastened with at least 2 dowels per sqm in addition to bonding.

Panel edges should be protected against damage with rust-proof corner protection rails.

The bonding of the corner protection rails can be done with BKM KS special adhesive.

For structures with a lot of movement, full-surface embedding of plaster fabric in the coating is necessary.

Only diffusion-open paints such as BKM Bio interior paint may be used as the final coating, as otherwise the excellent properties of BKM KS Klimaplatte PRO will be greatly reduced.

Comments

Packaging unit

1250 x 1000 x 25 mm; 80 pcs / pallet (100,00 m ²)	Article-No.: H-001-950
1250 x 1000 x 30 mm; 68 pcs / pallet (85,00 m ²)	Article-No.: H-001-952
1250 x 1000 x 50 mm; 40 pcs / pallet (50,00 m ²)	Article-No.: H-001-954

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Further information can be found at:

www.bkm-mannesmann.de