TECHNICAL DATA SHEET

KEIM MYCAL® CLIMA-LP

1. PRODUCT DESCPRIPTION

Room-side pre-primed soffit panel made of calcium silicate, approved by the building authorities according to ETA-15/0340.

2. FIELD OF APPLICATION

For mould remediation and moisture regulation in interior rooms. KEIM Mycal Clima-LP prevents the formation of condensation on the surface and thus contributes to the prevention of mould growth and the improvement of the indoor climate.
Application on: Interior; window and door reveals.
Suitable for: Masonry or concrete, rendered and unrendered; mineral render; natural stone; timber frame .
Not suitable for: gypsum renders; wood substrates; metallic substrates; organic substrates.

3. PRODUCT PROPERTIES

- Primed on one side for efficient reinforcement
- easy to use
- fire behaviour: non-flammable, class A1 according to EN 13501-1
- alkaline
- low environmental impact
- resistant to aging
- Externally monitored by the MPA Nordrhein-Westfalen

MATERIAL CHARACTERISTICS:

– Rated value of thermal conductivity:	0,062 W/mK
– Nominal value of thermal conductivity λD:	0,059 W/mK
– Panel size:	500 x 250 mm
– Panel thickness:	15 mm
– Edge formation:	square
– Bulk density:	≤ 180 kg/m³
– Reference moisture content at 80% rel. humidity:	0.007 m³/m³
– Saturation moisture:	0.929 m³/m³
– Compressive strength:	≥ 1000 kPa
– Compressive stress at 10% compression:	CS(10) ≥ 1000 kPa
– Thickness tolerance:	T2 ±2 mm/m
– Width tolerance:	W2 ±2 mm
– Length tolerance:	L2 ±2 mm
– Squareness:	S ≤ 4 mm/m
– Planarity:	S ≤ 2 mm
– Water absorption coefficient w:	approx. 46 kg/(m²√h)
– Colour shade:	light grey

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues and must not be too absorbent. The permanent compatibility of any existing coatings with the adhesive mortar must be examined by an expert. Substrates containing gypsum as well as vapour-tight coatings, wallpapers or similar must be removed. Highly absorbent substrates must be sufficiently prewetted. Unevenness of up to 1 cm/m may be bridged. Larger unevenness must be mechanically levelled or by applying a render in accordance with DIN EN 998-1.

APPLICATION:
Cut to size with a fine-toothed saw.
The reinforcement side (non-chalking) is silicate pre-primed at the factory.

GLUING:
All connecting joints are made airtight with a joint sealing tape. An edge insulation strip must be inserted at the connection to floors and moisture-sensitive components. Before applying the adhesive, prewet the insulation panels with approx. 0.75 - 1.0 l water per panel. The panels are butted tightly and glued in a bond from bottom to top. Apply the system-specific adhesive mortar to the entire surface of the insulation panels, to the substrate, or to the insulation panels and the substrate using the floating-buttering method. Push the boards into place. At the edges of the building, the insulation panels are glued offset. General instruction with regard to gluing: Do not apply adhesive to the panel joints. Do not create an insulation panel joint over a joint in the substrate underneath. System supplements are also possible across systems with Multipor Wedge (insulation wedge), Multipor Reveal (reveal panel), Mycal Clim-DK (insulation wedge) or Mycal Clima-LP (reveal panel).

DOWELING:
Check the adhesion of the insulation panels after at least 3 days. Insulation panels that are not bonded or damaged must be replaced. In the case of subsequent tiling work, the panels are additionally fastened through the mesh with suitable screw anchors and finished with another layer of KEIM Universalputz.

REINFORCEMENT:
After a sufficient setting time of the adhesive, apply the mixed, system-specific reinforcing mortar evenly to the insulation panels, preferably with a 10 mm toothed trowel. Embed the system-specific KEIM Glasfaser-Gittermatte (glass fibre mesh), overlap the edges by 10 cm and fill wet-in-wet with system-specific reinforcing mortar. The system-specific KEIM Glasfaser-Gittermatte should be embedded in the middle (layer thicknesses up to 6 mm) or in the upper third (layer thicknesses from 6 mm). Thickness of the reinforcement layer should be approx. 4 mm. For increased crack resistance, a reinforcing layer is always recommended.
In subordinate rooms and ceilings (such as basement rooms) Mycal Clima-LP may also only be plastered, filled and/or painted.
In this case, the client or building owner must be informed about possible hairline cracking in the joint area.

5. PACKAGING / TECHNICAL DATA

Panel size [mm]	Panel thickness [mm]	Rated value thermal conductivity [W/mK]	m² per bundle	Pieces per unit
250 x 500	15	0,062	2.5	20

6. STORAGE

max. storage time	Storage conditions
no maximum storage time	dry protect against weathering

7. DISPOSAL

EC WASTE CODE:
Waste code: 17 06 04

8. SAFETY INSTRUCTIONS

No particular indications.

9. CERTIFICATES & QUALITY SEALS

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