



---

## Interior Primed Mineral Heat-Insulation Board Made of Calcium Silicate

### Areas of application:

- Enhances home comfort
- Prevents mould growth
- Absorbs excess interior air humidity
- Prevents the formation of condensation
- For interior insulation of walls and ceilings

### Features/benefits:

- Room side primed (polished side of board)
- Controls humidity
- Capillary-active
- Breathable
- Heat-insulating
- Mould-resistant
- Non-flammable (A1)
- Countless micropores
- Natural raw materials
- Environmentally friendly
- 'Made in Germany' quality

### Technical data:

- |                                      |  |
|--------------------------------------|--|
| • Material:                          | Calcium silicate, cellulose fibres   |
| • Fire behaviour:                    | Class A1 in accordance with EN 13501-1:2010 (Corresponding to ETA-19/0559)   |
| • Water vapour resistance factor:    | $\mu = 3$  |
| • Thermal conductivity:              | $\lambda_D (23.50) = 0.059 \text{ W/(mK)}$<br>$\lambda_{\text{Rated value}} = 0.062 \text{ W/(mK)}$<br>(In keeping with ETA-19/0559) |
| • Apparent density range:            | $180 \text{ kg/m}^3 - 187 \text{ kg/m}^3$  |
| • Pressure resistance:               | $\geq 1,000 \text{ kPa}$   |
| • Water absorption coefficient:      | $46 \text{ kg/m}^2 \cdot \sqrt{\text{h}}$  |
| • Water saturation:                  | $920 \text{ kg/m}^3$   |
| • pH value:                          | Approx. 10   |
| • Environmental product declaration: | EPD-CSP-20180010-IBC1-DE   |

---

The technical information and instructions for use contained in this document are correct to the best of our knowledge and are provided in good faith. The content of this document does not constitute an explicit or implicit guarantee for the performance of these products. Since we have no control over how our materials will be used or the conditions under which they are used, we can only guarantee that these products meet our quality standards. We can therefore only guarantee the quality of our products within the framework of our general terms and conditions, but we cannot guarantee their successful functioning in every situation. Subject to changes without prior notice. This data sheet replaces all previous data sheets.



### Instructions for use:

The mineral substrate upon which the **Clima Redboard pro** is to be mounted must be clean (e.g. free of paint, wallpaper, structurally damaging salts, bitumen, oil, mould growth), load-bearing, and tension-free. If it is necessary to disinfect the substrate, the redstone **Mould and Spore Destroyer (SuS) [Schimmelpilz- und Sporenvernichter SuS]** from the Mould Remedy (Vivo) line [Schimmelsanierung (Vivo)] should be used. Construction defects and penetrating moisture must be properly remedied.

Uneven substrates must be levelled beforehand with mineral **Patching Plaster [Ausgleichsputz]** from redstone in order to ensure full adhesion. Neighbouring elements (e.g. floor, ceilings, windows) must be separated using **Pre-Compressed Sealant Tape [Komprimierband]**. Cut the **Clima Redboard pro** to size; smooth the edges. After that, the **System Adhesive [Systemkleber]** is applied. Notice: A **Special Sulphate-Resistant Adhesive [Spezialkleber SB]** must be used for substrates containing gypsum!

Depending on the composition of the substrate (e.g. extremely porous), the surface can be pretreated with redstone **Primer [Grundierung]**. Thinly plastered areas are generally not considered a sufficiently stable substrate.

The product must be adhered without air bubbles and over the entire surface by spreading the adhesive using a notched trowel (at least 10 mm) so that a grooved pattern appears in the adhesive. Apply adhesive to the entire surface of the substrate under one board at a time and spread using a horizontal stroke. **Clima Redboard pro** (textured side facing the wall) must be applied and positioned immediately (before the surface of the adhesive starts to dry) by pressing evenly so a bond is formed across the entire surface. The next board can then be pushed flush against the previous one. It is important to carefully arrange the lower row of boards both perpendicularly and horizontally so that all boards can be cleanly aligned with each other. Cross joints must be avoided.

Ideally, adhesive should not be added in the joints between boards; these areas should be reinforced with **Clima Joint Mesh [Clima Fugengewebe]**; alternatively, **Plaster Mesh 070 [Putzgewebe 070]** can be applied to the entire area.

It is possible to bond the joints with **System Adhesive [Systemkleber]** or **Special SB Adhesive [Spezialkleber SB]**; however, joint width cannot exceed 3 mm and the excess adhesive must be fully removed.

For rooms higher than 3.50 m, the boards should be affixed with **Clima Plugs [Clima Dübel]** (2 per m<sup>2</sup>) in addition to the adhesive. On ceilings and sloped ceilings as well as areas subject to increased load (e.g. tiling) **Clima Redboard pro** should be affixed with four **Clima Plugs [Clima Dübel]** per m<sup>2</sup> in addition to the adhesive. Exposed board edges should be protected against damage with corrosion-free corner protection rails (e.g. made of plastic, stainless steel, or aluminium). Corner protection rails can be affixed at specific points using the **System Adhesive [Systemkleber]** or **Special SB Adhesive [Spezialkleber SB]** and corrosion-resistant fasteners if necessary.

Once the adhesive has set, redstone **Levelling Compound [Spachtelmasse]** or **Luno Lime Smooth Finish [Luno Kalkglätte]** is to be applied over the entire surface. It is only necessary to embed the **Plaster Mesh 070 [Putzgewebe 070]** in the coatings when it is expected that the structure will experience a high degree of movement.

The technical information and instructions for use contained in this document are correct to the best of our knowledge and are provided in good faith. The content of this document does not constitute an explicit or implicit guarantee for the performance of these products. Since we have no control over how our materials will be used or the conditions under which they are used, we can only guarantee that these products meet our quality standards. We can therefore only guarantee the quality of our products within the framework of our general terms and conditions, but we cannot guarantee their successful functioning in every situation. Subject to changes without prior notice. This data sheet replaces all previous data sheets.



In order to preserve the outstanding features of the **Clima Redboard pro**, only breathable final coatings or paint from the Wall Coatings (Luno) [Wandbeschichtungen (LUNO)] product line should be used.

**Dimensions / Form of Delivery / Art. No.:**

1250 x 1000 x 25 mm; 80 pc. / pallet (100.00 m<sup>2</sup>); Art. No.: RBP251250MM  
1250 x 1000 x 30 mm; 68 pc. / pallet (85.00 m<sup>2</sup>); Art. No.: RBP301250MM  
1250 x 1000 x 50 mm; 40 pc. / pallet (50.00 m<sup>2</sup>); Art. No.: RBP501250MM  
1250 x 1000 x 60 mm; 33 pc. / pallet (41.25 m<sup>2</sup>); Art. No.: RBP601250MM  
1250 x 1000 x 80 mm; 25 pc. / pallet (31.25 m<sup>2</sup>); Art. No.: RBP801250MM

625 x 1000 x 25 mm; 160 pc. / pallet (100.00 m<sup>2</sup>); Art. No.: RBP25625MM  
625 x 1000 x 30 mm; 136 pc. / pallet (85.00 m<sup>2</sup>); Art. No.: RBP30625MM  
625 x 1000 x 50 mm; 80 pc. / pallet (50.00 m<sup>2</sup>); Art. No.: RBP50625MM  
625 x 1000 x 60 mm; 66 pc. / pallet (41.25 m<sup>2</sup>); Art. No.: RBP60625MM  
625 x 1000 x 80 mm; 50 pc. / pallet (31.25 m<sup>2</sup>); Art. No.: RBP80625MM

**Other:**

The requirements of the EC Safety Data Sheet must be adhered to.

The technical information and instructions for use contained in this document are correct to the best of our knowledge and are provided in good faith. The content of this document does not constitute an explicit or implicit guarantee for the performance of these products. Since we have no control over how our materials will be used or the conditions under which they are used, we can only guarantee that these products meet our quality standards. We can therefore only guarantee the quality of our products within the framework of our general terms and conditions, but we cannot guarantee their successful functioning in every situation. Subject to changes without prior notice. This data sheet replaces all previous data sheets.