



pre-primed on the room side, non-combustible, capillary-active Mineral Insulation Board for interior insulation of buildings

Areas of application:

- For thermal insulation of outside walls and interior ceilings
- For thermal insulation of building components in interior areas with high hygric requirements
- Particularly well-suited to facilities with high energy requirements
- Enhances home comfort

Characteristics:

- Non-combustible (A1)
- high thermal insulation properties
- breathable and capillary-active
- high compressive strength
- easy to work with

Technical data:

- | | |
|---|--|
| • Colour: | Board: white
(on the room side, the primer is a reddish colour) |
| • Main components: | Chalk, sand |
| • Use: | approx. 4.3 boards per square metre
(60 cm x 39 cm)
approx. 5.1 boards per square metre
(50 cm x 39 cm) |
| • Construction material class: | A1 non-flammable
in accordance with EN 13501-1:2007+A1:
2009 |
| • Bulk density: | approx. 110 kg/m ³ |
| • Pressure resistance: | ≥ 300 kPa |
| • Thermal conductivity: | $\lambda_{D23/50} = 0.043 \text{ W/(mK)}$
$\lambda_{\text{Rating}} = 0.045 \text{ W/(mK)}$ |
| • water vapour diffusion resistance factor: | $\mu = 3$ |

Instructions for use:

The mineral substrate must be level, free from impurities such as paint, wallpaper, salts, bitumen, oil, etc., and must be capable of bearing a load and suitable for adhesion (you may

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want to try adhering a test piece). If necessary, it can be pre-treated with redstone **primer [Grundierung]** to regulate absorption (if necessary, wet it a little beforehand). Construction defects and penetrating moisture must be properly remedied in advance.

Pura Core is factory-primed mineral insulation board that facilitates easy work and can be easily cut using a handsaw (e.g. a tenon saw). This makes it possible to quickly create insulation wedges or shapes to fit curves and installations.

In order to achieve adhesion over the entire surface, uneven substrates must first be levelled with a mineral patching plaster. To affix **Pura Core**, use mineral, sulphate-resistant **Pura light** lightly-adhesive reinforcing mortar; it is also suitable for substrates that contain gypsum.

Loose material residues must be removed from **Pura Core**, e.g. by sweeping, before applying **Pura light**. Correctly mixed adhesive is then combed over the entire surface of the reverse side of the panel (the non-coloured side), which is now cleaned and free from any deposits. The consistency of the adhesive and the height of the notched trowel should be chosen so that full-surface adhesion between the board and substrate can be achieved (trowel tooth height ≥ 10 mm; if necessary, perform a test for adhesion).

Pura Core should be quickly positioned and aligned (before the adhesive is able to form a skin or harden) by pressing the entire surface down and 'floating' the boards into place using staggered joints (avoid any crossover of joints). The joints of the boards are closely pushed together without the need for adhesive. Exposed board edges should be protected from potential damage by using appropriate corrosion-free corner protection rails (made from plastic or aluminium). These are then affixed to the **Pura light** at regular intervals.

In general, a continuous insulation layer should be formed without any open joints, air gaps or unnecessary holes. Wherever possible, any edges of hanging ceilings, floor screed, floor covers, etc., must be shortened. In order to avoid possible tensions in the insulation level area, redstone **pre-compressed sealant tape [Komprimierband]** must be expertly fixed to all flanking components.

The room-side panel should then be coated with **Pura light**. It is necessary to embed redstone **plaster mesh 110 [Putzgewebe 110]** in all instances. After leaving enough time to dry, the area can be painted with **Vivo Clean** residential hygiene paint.

Ensure that the respective technical data sheets for all system components are observed.

Plugs:

If the height of the room is less than 3.5 m, it is not necessary to use additional plugs when affixing to walls without mechanical loads and when applying uncoated visible facing. For rooms with heights of more than 3.5 m, and in the event of insecure substrate, the boards should also be fixed using at least 2 **Pura Plugs [Pura Dübel]** per m².

On ceilings, sloping roofs, overhangs and where heavy coatings are planned for use with the **Pura Core** (e.g. if tiles are used), the mineral insulation boards must also be fixed to the load-bearing substrate using a minimum of 4 **Pura Plugs [Pura Dübel]** per m².

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To ensure the surface effect of the plugs, the holding plates for the plugs must rest on the mesh-reinforced layer. The panel thickness of the holding plate (approx. 3 mm) must be considered when applying the final coating.

Mechanical loads (bathroom hygiene accessories, heaters, etc.) must be redirected to the carrying substrate (e.g. masonry) using suitable mounting equipment.

We don't recommend using third-party products such as plasters, paints, etc., for coatings or final coatings!

Storage:

Store in a dry place, protected from frost.

Dimensions / Delivery form / Item No. / EAN No.:

50 x 39 x 3 cm / 8 pcs per package / 18 packages per palette / PURACORE30 / 4260122565931
60 x 39 x 5 cm / 8 pcs per package / 18 packages per palette / PURACORE50 / 4260122565948
60 x 39 x 6 cm / 10 pcs per package / 12 packages per palette / PURACORE60 / 4260122565955
60 x 39 x 8 cm / 5 pcs per package / 18 packages per palette / PURACORE80 / 4260122565962
60 x 39 x 10 cm / 6 pcs per package / 12 packages per palette / PURACORE100 / 4260122565979
60 x 39 x 12 cm / 5 pcs per package / 12 packages per palette / PURACORE120 / 4260122565986
60 x 39 x 14 cm / 4 pcs per package / 12 packages per palette / PURACORE140 / 4260122565993
60 x 39 x 16 cm / 3 pcs per package and 4 pcs per package / 6 packages per palette / PURACORE160 / 4260122566006
60 x 39 x 18 cm / 3 pcs per package / 12 packages per palette / PURACORE180 / 4260122566013
60 x 39 x 20 cm / 3 pcs per package / 12 packages per palette / PURACORE200 / 4260122566020

Other:

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

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