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Technical Data Sheet

Pura Hydrophilic (capillary active) Mineral Insulating Board

[Pura Mineraldämmplatte hydrophil (kapillaraktiv)]

non-combustible, fibre-free, hydrophilic mineral insulation board made of natural raw materials for the interior insulation of buildings

Areas of application:

- for the thermal insulation of exterior walls in interior spaces
- for the thermal insulation of ceilings in interior spaces

Characteristics:

- highly capillary-active
- high thermal insulation properties
- non-flammable (A1)
- easy to work with
- ecological manufacturing process, low emissions
- tested by the Institute of Building Biology

Technical data:

Colour:	Terracotta
Main components:	silica flour, lime hydrate
Standard dimensions:	60 cm x 38 cm
Use:	approx. 4.4 boards per m²
Boards thickness:	5/6/8/10/12 cm
pH value:	9.5
Construction material class:	A1 non-flammable in accordance with EN13501-1:2007+A1: 2009
Bulk density:	85 kg/m³ to 110 kg/m³
Pressure resistance:	≥ 150 kPa
Tear strength:	0.07 N/mm² (70 KN/m²)
Thermal conductivity:	$\lambda_{D23/50}$ = 0.040 W/(mK) λ_{Rating} = 0.042 W/(mK)
Diffusion resistance:	µ-value 3-7

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 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.

The **Pura Hydrophilic (capillary active) Mineral Insulating Board** [Pura Mineraldämmplatte hydrophil (kapillaraktiv)] ist easy to work and can be easily cut to size with 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. For adhesion of the **Pura Hydrophilic (capillary active) Mineral Insulating Board** **[Pura Mineraldämmplatte hydrophil (kapillaraktiv)]**, use the mineral, sulphate-resistant **Pura light** lightly adhesive reinforcing mortar; it is also suitable for substrates that contain gypsum.

Alternatively, the redstone **System Adhesive** **[Systemkleber]** or **Special Adhesive SB** **[Spezialkleber SB]** can be used; **Special Adhesive SB** **[Spezialkleber SB]** can also be used for substrates that contain gypsum. In general, it is mandatory to use a sulphate-resistant redstone adhesive for substrates that contain gypsum!

Loose material residues must be removed (e.g. by sweeping them off) from the **Pura Hydrophilic (capillary active) Mineral Insulating Board** **[Pura Mineraldämmplatte hydrophil (kapillaraktiv)]** before applying the adhesive. The correctly mixed adhesive is combed over the entire surface of the reverse side of the panel, which is now free from deposits. Adhesive consistency and the height of the notched trowel should be selected so as to achieve full-surface adhesion between the board and substrate (trowel tooth height ≥ 10 mm, if necessary perform test adhesion).

Pura boards should be placed and aligned quickly (before the adhesive can form a skin or harden) by pressing the entire surface down and “floating” the boards into position with staggered joints (avoid cross joints). The board joints are pushed close together without adhesive. Board edges that are left open are protected against damage with corrosion-free corner protection rails (plastic or aluminium). These are fixed by using either **System Adhesive** **[Systemkleber]** or **Special Adhesive SB** **[Spezialkleber SB].** **Pura light** is not suitable for fixing corner protection rails.

Generally, an insulating plane without unnecessary holes and air gaps should be created throughout. The edges of hanging ceilings, floor screed, floor covers, etc., must be shortened whenever possible. Open joints and air gaps in the insulation layer must be avoided. In order to avoid possible tensions in the area of the insulation level, redstone **pre-compressed sealant tape** **[Komprimierband]** should be professionally applied to all flanking components.

To regulate the absorbency, redstone **primer** **[Grundierung]** should be applied to the room-side surface of the boards, which have been previously swept and are free from deposits. The panel surface is then coated with **Pura light**. It is necessary to embed redstone **plaster mesh 165** **[Putzgewebe 165]** in all instances. **Vivo Clean** residential hygiene paint can then be applied. For alternatives to this, see the "**Alternative coating options**" section.
The respective technical data sheets for the system components must be observed.

Plugs:
If the height of the room is under 3.5 m, no plugs are necessary when adhering to walls without mechanical loads and when applying uncoated visible facing. For rooms higher 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, roof slopes, overhangs and in the case of planned heavy coatings used on **Pura Hydrophilic (capillary active) Mineral Insulating Board [Pura Mineraldämmplatte hydrophil (kapillaraktiv)]** (e.g. tiles), then the mineral insulation boards must also be fixed using a minimum of 4 **Pura Plugs [Pura Dübel]** per m² in the load-bearing substrate.
In order for these safety dowels to appear flush, the holding plate for dowels must be applied on a mesh-reinforced layer (e.g. putty, plaster). 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.

Alternative coating options:
In addition to the recommended coating with **Pura light** (and final coating with **Vivo Clean**), the following breathable coatings are also available in our range:

- **Levelling compound [Spachtelmasse]**
- **Luno Lime interior plaster [Luno Kalkinnenputz]**
- **Luno Clay fine filler [Luno Lehm-Feinspachtel]**

These can then optionally be finished using the following breathable redstone top coatings:

- **Luno Silicate brush-on plaster [Luno Silikat-Streichputz]**
- **Luno Lime fine plaster [Luno Kalkfeinputz]**
- **Luno Lime smooth finish [Luno Kalkglätte]**
- **Luno Clay colour [Luno Lehm-Farbe]**

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

Disposal:
Excess insulating board can be disposed of with normal construction debris.

Storage:
Store in a dry place.

Dimensions / Delivery form / Item No. / EAN No.:
60 x 38 x 5 cm / 12 pcs./packet / Package / PURA5 / 4260122565252
60 x 38 x 6 cm / 10 pcs./packet / Package / PURA6 / 4260122565269
60 x 38 x 8 cm / 7 pcs./packet / Package / PURA8 / 4260122565276
60 x 38 x 10 cm / 6 pcs./packet / Package / PURA10 / 4260122565283
60 x 38 x 12 cm / 5 pcs./packet / Package / PURA12 / 4260122565290

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