

# Capatect-Dalmatiner-Montagedämmplatten 163

Exterior thermal insulation board to DIN EN 13163 (expanded polystyrene EPS) for Caparol ETICS systems to be mechanically fixed on mounting rails. Two-tone: grey/white.



## Product Description

### Field of Application

Thermal insulation boards with surrounding groove for installation of Capatect-ETICS Type B on mounting rails.

### Material Properties

- EPS 034 WDV (ETICS) as per DIN V 4108-10 and guideline IVH/FV WDVS)
- Block-expanded, bicoloured EPS particle foam
- Reaction to fire (German classification): B1 (DIN 4102/DIN EN 13501)
- Reaction to fire (European classification): E for boards and B for embedded boards
- Edges: blunt with circulating groove
- Quality protection as per BFA QS
- Not forming burning droplets
- Seasoned / Non-shrinking / Dimensionally stable
- Non-ageing
- Water vapour permeable
- Toxicologically harmless
- Free of CFCs, HCFCs, HFCs, formaldehyde
- Easy to handle

### Colours

Grey/white spotted

### Storage

Dry; protected against moisture. Avoid long term exposure of direct sunlight and UV.

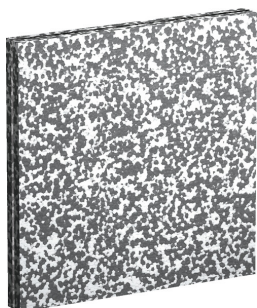
### Technical Data

- Heat conductivity:  $\lambda_R = 0.034 \text{ W/(m} \cdot \text{K)}$  as per DIN 4108  
 $\lambda_D = 0.032 \text{ W/(m} \cdot \text{K)}$
- Resistance-count for diffusion  $\mu \text{ (H}_2\text{O)}$ : 20/50 as per DIN 12086
- Transverse tensile strength: 150 kPa as per DIN EN 1607
- Raw density: 15–18 kg/m<sup>3</sup> as per DIN EN 1602
- Irreversible elongation: < 0.15 %

### Supplementary Product

- Capatect-Halteleisten 632/00 made of unplasticized PVC for horizontal panel joints as well as for the attachment of blanks
- Capatect-Verbindungsstücke 633/00 made of unplasticized PVC for vertical panel joints
- Capatect-Universal-Montage-Schraubdübel 617
- Capatect-Universal-Montage-Schlagdübel 613 for the attachment of Capatect-Halteleisten. The dowel type depends on type of substrate.
- Capatect-Distanzstücke-Set 634/50\* to shim below rails in case of wall unevenness.

\*) Packaging: box of 400 units, sorted (190 units d = 3 mm, 190 units d = 5 mm, 20 units d = 10 mm)



| Board Thickness [ mm ]                  | Dimensions:<br>500 x 500 mm |   |
|---|-----------------------------|---|
|   | Product-No.                 | Packagings [ m <sup>2</sup> ]<br>shrink-wrapped |
| 50                                      | <b>163/05</b>               | 5.0   |
| 60                                      | <b>163/06</b>               | 4.0   |
| 80                                      | <b>163/08</b>               | 3.0   |
| 100                                     | <b>163/10</b>               | 2.5   |
| 120                                     | <b>163/12</b>               | 2.0   |
| 140                                     | <b>163/14</b>               | 1.5   |
| 160                                     | <b>163/16</b>               | 1.5   |
| Special thickness available on request. |                             |   |

## Application

### Suitable Substrates

Fixed substrates - but unsuitable for bonding insulation boards by adhesives - like chalking mineral substrates, existing render/plaster and existing paint or other coatings. On such substrates , the insulation boards can be installed with mounting rails.

Wall material must be of sufficient strength for doweling.

Note: Not suitable for water sucking wet substrates.

### Substrate Preparation

Remove projecting mortar burrs. Clean larger cavities and fill flush with the surface. Unevenness up to 3 cm can be compensated with Capatect spacers (Distanzstücke).

### Consumption

per m<sup>2</sup>: 1 m<sup>2</sup> plus offcuts

### Application Conditions

**Processing temperature:** 5 °C to 30 °C for material, atmosphere and substrate during application and curing.

### Fitting of Insulation Boards

Install "Capatect-Sockelschiene" in the respective height using a water level bubble. Pour one bead of adhesive mortar (20-25 cm= approx. 20% surface ratio) centered on the reverse side of the thermal insulation board.

Note for the first row of insulation boards:

Pour additionally a line of adhesive on the reverse side along the bottom boarder for good filling of the gap between uneven wall, the starting rail and insulation board.

Place "Capatect-Verbindungsstücke 633/00" into each vertical joints between adjacent thermal insulation boards - transom towards the applicator and flaps towards the wall.

After completing the row, insert the "Capatect-Halteleisten 632/00" into the horizontal joints and fasten with approved "Capatect-Universal-Montage-Schraubdübeln" (screw dowels) or "Capatect-Universal-Montage-Schlagdübeln" (knock-in dowels). Maximum distance between adjacent dowels: 30 cm. Choose dowel type for the fixing the mounting rails depending on wall material and required anchoring depth

Continue with next row of insulation boards with staggered joints.

Pay special attention to exact alignment and perpendicular orientation. Substrate unevenness can be compensated with "Capatect-Distanzstücken" (spacers). Mounting rails must not be distorted. Leave a gap of 2-3 mm between adjacent rails to allow expansion while insulation boards must be installed tightly edge-to-edge.

Refill any potential gaps (e.g. not completely closed butt joints or bed joints) with conic cut strips of insulation material, if necessary with "Capatect-Füllschaum B1" (up to a max. width of 5 mm).

On blank cuts (fitting pieces, e.g. below window sills or roof projections) the required groove has to be carved in using the tool "Capatect-Nutenhobel". Where necessary to get stability, use mounting rail as vertical fixing unit. For adjustments (e.g. around window or door edges) the insulation boards may have to be attached in the conventional way, by bonding with adhesive mortar and with anchors.

For further information on doweling, please refer to the ETICS manual.

## Advice

See also Recommendation for safe use.  
No contact with aromatic solvents!

### Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

European Waste Code: Careful cutting and reuse can prevent wastage. In any case, waste or material residue must be disposed of as per EWC 17 02 03 (synthetic material) or as per EWC 17 06 04 (material for thermal insulation).

Germany: Guidelines for recycling of material-cuttings (without any adhesive or surfacer on it) are available via the Industrial Chambers of Commerce (*German Abbr.: IHK*).

### Logo: Ü symbol

Z-33.42-131  
ETA-07/0184  
ETA-10/0160

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## Technical Information No. 163 · Issue: July 2016

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.163 · Capatect-Dalmatiner-Montagedämmplatten 163 · Issued: August 2020

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