COVER.EPS TR100

EPS External insulation polystyrene boards
**DESCRIPTION**

COVER EPS TR100 is a board of expanded polystyrene (EPS) cut from a block with smooth edges, specific for thermal insulation systems. The hot wire cutting of the panels creates a surface roughness ideal for applying all products from the systems COVER.therm by Vimark. The product is certified for ETICS use according to the European Technical Directive ETAG 004, suitable for use in both new and existing buildings.

**COMPOSITION**

COVER EPS TR100 is a EPS Styropor® board of BASF cut from a block, with smooth edges and chlorofluorocarbon free.

**BOARD SIZE**

1000 x 500 mm.

**COLOUR**

White.

**THICKNESS & PACKAGING**

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Panel per pack</th>
<th>Panel size (m²)</th>
<th>Pack coverage (m²)</th>
<th>Packs per pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>30</td>
<td>0,50</td>
<td>15,00</td>
<td>12</td>
</tr>
<tr>
<td>30</td>
<td>20</td>
<td>0,50</td>
<td>10,00</td>
<td>12</td>
</tr>
<tr>
<td>40</td>
<td>15</td>
<td>0,50</td>
<td>7,50</td>
<td>12</td>
</tr>
<tr>
<td>50</td>
<td>12</td>
<td>0,50</td>
<td>6,00</td>
<td>12</td>
</tr>
<tr>
<td>60</td>
<td>10</td>
<td>0,50</td>
<td>5,00</td>
<td>12</td>
</tr>
<tr>
<td>70</td>
<td>8</td>
<td>0,50</td>
<td>4,00</td>
<td>12</td>
</tr>
<tr>
<td>80</td>
<td>7</td>
<td>0,50</td>
<td>3,50</td>
<td>12</td>
</tr>
<tr>
<td>90</td>
<td>6</td>
<td>0,50</td>
<td>3,00</td>
<td>12</td>
</tr>
<tr>
<td>100</td>
<td>6</td>
<td>0,50</td>
<td>3,00</td>
<td>12</td>
</tr>
<tr>
<td>110</td>
<td>5</td>
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<td>2,50</td>
<td>12</td>
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<tr>
<td>120</td>
<td>5</td>
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<td>130</td>
<td>4</td>
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<td>2,00</td>
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<td>140</td>
<td>4</td>
<td>0,50</td>
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<td>12</td>
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<td>150</td>
<td>4</td>
<td>0,50</td>
<td>2,00</td>
<td>12</td>
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<tr>
<td>160</td>
<td>3</td>
<td>0,50</td>
<td>1,50</td>
<td>12</td>
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<tr>
<td>180</td>
<td>3</td>
<td>0,50</td>
<td>1,50</td>
<td>12</td>
</tr>
<tr>
<td>200</td>
<td>3</td>
<td>0,50</td>
<td>1,50</td>
<td>12</td>
</tr>
</tbody>
</table>

**EXPIRATION / CONSERVATION**

Store product in a dry place, protected from humidity and away from UV rays and heat sources.

**WARNINGS**

Avoid water filtrating under the insulation panels if applying in rain. Install panels in temperatures between +5°C and +35°C. Application temperatures must be guaranteed for at least 24 hours after applying panels. Do not apply broken, damaged or dirty panels. Fill any openings in the sheet joints by placing strips of insulating material or, for cracks of less than 4 mm, using an injectable polyurethane foam filler. Avoid placing EPS sheets directly to the ground. Use suitable starting profiles such as BASE TRACK or boards such as COVER BASE. For further information about the product COVER.therm by Vimark, please read the datasheets available on our web site www.vimark.com.

**PRODUCT DATA**

- **Appearance**
  - EPS board
- **Colour**
  - White
- **Panel dimensions**
  - 1000 x 500 mm
- **Dimensional tolerance of length**
  - L2 ± 2 mm
- **Dimensional tolerance of the width**
  - W2 ± 2 mm
- **Dimensional tolerance of thickness**
  - T1 ± 1 mm
- **Dimensional tolerance of orthogonality**
  - S1 ± 1/1000 mm
- **Flatness tolerance**
  - P3 ± 3 mm
- **Declared thermal conductivity λD**
  - 0,036 W/mK

**THERMAL PERFORMANCES**

<table>
<thead>
<tr>
<th>Board thickness</th>
<th>Declared thermal conductivity R0</th>
<th>Thermal transmittance U</th>
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<td>20 mm (Not ETICS thickness)</td>
<td>0,55 m² K/W</td>
<td>1,80 W/m²K</td>
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**TECHNICAL DATA**

- **30 mm (Not ETICS thickness)**: 0,80 m²K/W, 1,20 W/m²K - EN 12667
- **40 mm**: 1,10 m²K/W, 0,90 W/m²K - EN 12667
- **50 mm**: 1,35 m²K/W, 0,72 W/m²K - EN 12667
- **60 mm**: 1,65 m²K/W, 0,60 W/m²K - EN 12667
- **70 mm**: 1,90 m²K/W, 0,51 W/m²K - EN 12667
- **80 mm**: 2,20 m²K/W, 0,45 W/m²K - EN 12667
- **90 mm**: 2,50 m²K/W, 0,40 W/m²K - EN 12667
- **100 mm**: 2,75 m²K/W, 0,36 W/m²K - EN 12667
- **110 mm**: 3,05 m²K/W, 0,33 W/m²K - EN 12667
- **120 mm**: 3,30 m²K/W, 0,30 W/m²K - EN 12667
- **130 mm**: 3,60 m²K/W, 0,28 W/m²K - EN 12667
- **140 mm**: 3,85 m²K/W, 0,26 W/m²K - EN 12667
- **150 mm**: 4,15 m²K/W, 0,24 W/m²K - EN 12667
- **160 mm**: 4,40 m²K/W, 0,23 W/m²K - EN 12667
- **180 mm**: 5,00 m²K/W, 0,20 W/m²K - EN 12667
- **200 mm**: 5,55 m²K/W, 0,18 W/m²K - EN 12667

- **Flexure resistance**: BS ≥ 125 kPa - EN 12089
- **Traction resistance**: TR ≥ 100 kPa - EN 1607
- **Dimensional stability**: DS (N) ± 0,2 % - EN 1603
- **Cutting resistance**: τ ≥ 65 kPa - EN 12090
- **Vapour diffusion resistance**: μ 30 (mean. value) - EN 13163
- **Vapour permeability**: 0,027 mg/(Pa.h.m) (mean. value) - EN 13163
- **Water absorption at long term total immersion**: WL(T) ≤ 5 % - EN 12089
- **Water absorption at long term partial immersion**: WL(P) ≤ 0,5 kg/m² - EN 12089
- **Reaction to fire**: E Euroclass - EN 13501-1
- **Specific heat**: C 1450 J/kg K - EN 10456
- **Coefficient of linear thermal expansion**: 65x10⁻⁶ K⁻¹ - EN 10456
- **Working temperature**: ≤ 80°C

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at [www.vimark.com](http://www.vimark.com), which contains information on the physical characteristics, ecological and toxicological products, together with other safety information. Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

**PRODUCT FOR PROFESSIONAL USE.**

EN 13163
L2-W2-T1-S1-P3-TR100-BS125-DS(N)0,2-WL(T)5-WL(P)=0,5

**LEGAL NOTES**

The data and prescriptions shown in this sheet, based on the best practical and laboratory experience, refer to laboratory tests and are to be considered in any case as indicative. The information and, in particular, the instructions concerning the application and final use of Vimark products are provided in good faith based on the current knowledge and experience of Vimark on the products provided they are properly stored, handled and used under normal conditions and observing Vimark’s recommendations. Considering the different conditions of use and external factors that are independent of Vimark (support, environmental conditions, laying technique directions, etc.), those wishing to use them must therefore decide whether or not the product is suitable for use. Our warranty guarantee is therefore limited to the quality and consistency of the same with regard to the finished product, and exclusively for the above reported data. The company Vimark reserves itself the right to make technical changes without prior notice. Users must always refer to the latest version of the local data sheet relating to the product in question, copies of which will be provided upon request. This technical sheet cancels and replaces all previous editions. Any updates are published on the website [www.vimark.com](http://www.vimark.com).