Tektalan A2 HS

Multi-functional, non-combustible heat insulating composite board
PRODUCT DESCRIPTION

Non combustible composite board made from mineral wool core and two-sided wood wool facing with mineral binder according to EN 13168.

APPLICATION AREA

Non combustible (A2 class according to EN 13501-1) insulation board for posterior fixing at ceilings and walls of underground parking places in small, medium and large garages (according to the local regulations), at slabs of cellars and in industrial and commercial buildings.

TECHNICAL PROPERTIES

- High fire resistance – A2-s1, d0 – increases the fire safety of buildings
- Excellent heat accumulation
- Very good acoustic properties
- Low vapour resistance
- Excellent construction-biological properties
- Resistant to microorganisms and rodents
- Chemically neutral – no reaction with the surrounding materials
- No mass and dimensional changes in case of temperature differences
- Easy cutting to the requested size and shape
- Very high resistance to mechanical stresses

PRODUCTION SIZES, PACKAGING UNITS

<table>
<thead>
<tr>
<th>Property</th>
<th>Description/Data</th>
<th>Unit</th>
<th>Unit Norm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness mm</td>
<td>50</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>Layers mm</td>
<td>5/40/5</td>
<td>5/65/5</td>
<td>5/90/5</td>
</tr>
<tr>
<td>Average mass kg/m²</td>
<td>17</td>
<td>19,5</td>
<td>23</td>
</tr>
<tr>
<td>Packaging unit pc/pallet</td>
<td>22</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>Packaging unit m²/pallet</td>
<td>26,4</td>
<td>16,8</td>
<td>13,2</td>
</tr>
<tr>
<td>Length mm</td>
<td>2000*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width mm</td>
<td>600</td>
<td></td>
<td></td>
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</tbody>
</table>

*Boards can be ordered in half length (1000 mm).

TECHNICAL DETAILS

Dimension and tolerances of WW boards

Due to the organic component of wood-wool boards slight deviations in the size cannot be excluded. Likewise, the panels also shrink and expand if there is strongly fluctuating air humidity.

- Dimensional stability in standard climatic conditions is ± 0.5% for length (± 10 mm for 2000 mm boards) and for width ± 2.5 mm for 500 mm wide boards.

Therefore, special attention must be given to the temperature and air humidity during installation (if necessary heat, ventilate, or dehumidify the air under constant monitoring) in order to ensure the required installation conditions.

- Production tolerances for the 2000 mm nominal dimensions is ±5/-10 mm; for 1000 mm lengths ±3/-5 mm, for width is ±3 mm according to EN 13168 point 4.2.2.

Installation and system conditions

- The installation of WW products (Heraklith homogeneous boards, Heratekta and Tektalton composite boards) must be carried out under controlled humidity and temperature conditions.
- Only install panels in rooms, where the following conditions are ensured: for heated or air-conditioned rooms, the maximum relative air humidity must be between 40% and 75%, the temperature must not be below +7°C or above +30°C.
- If WW products are to be installed in rooms with central heating, or in rooms with conditions significantly different from normal conditions we recommend acclimatising the boards for at least 48 hours days in a room with the same climatic conditions.

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KIDS/Tektalan A2-HS ENG 2016-06