Technical Data Sheet

ThermaSmart® PRO Sheet SA
Thermal Insulation by Thermaflex®

Self-Adhesive thermal sheet insulation product made of direct extruded, closed-cell high quality polyolefin foam

Benefits
- Condensation free system installed by qualified insulator
- Consistent performance - damage free, robust insulation material
- Fast installation due to self-adhesive layer
- Safety - Excellent fire and smoke behavior
- Gain point for Green building program with certified ThermaSmart PRO foam insulation - Cradle to Cradle Certified™ Bronze, EPD, RoHS

Applications
- Heating and Air conditioning applications

Design
- Paper release liner effectively protects the insulation
- Self-Adhesive Layer quick and easy assembly
- Polyolefin foam durable insulation material

Disclaimer
All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.

V2.1 - 28.09.2020
Technical Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units SI</th>
<th>Values</th>
<th>Testing method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensional tolerances</td>
<td>-</td>
<td>Coherent</td>
<td>EN 14313</td>
</tr>
<tr>
<td>Density</td>
<td>kg/m³</td>
<td>18 - 40</td>
<td></td>
</tr>
<tr>
<td>Structure</td>
<td>-</td>
<td>Fine, closed-cells</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>-</td>
<td>Anthracite</td>
<td></td>
</tr>
<tr>
<td><strong>Thermal properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum service temperature</td>
<td>°C</td>
<td>+95*</td>
<td>EN 14707</td>
</tr>
<tr>
<td>Thermal conductivity (λ)</td>
<td>W/m·K</td>
<td>0.035 @ 10°C, 0.038 @ 40°C</td>
<td>EN 12667</td>
</tr>
<tr>
<td><strong>Fire properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBI classification</td>
<td></td>
<td>B, s2, d0</td>
<td>EN 13501-1</td>
</tr>
<tr>
<td>British standard</td>
<td></td>
<td>Class 1</td>
<td>BS 476 Part 7</td>
</tr>
<tr>
<td>British standard</td>
<td></td>
<td>Class 0</td>
<td>BS 476 Part 6</td>
</tr>
<tr>
<td>Flammability standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Water resistance properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water vapor diffusion</td>
<td>µ</td>
<td>≥ 5,300</td>
<td>EN 13469</td>
</tr>
<tr>
<td>Water absorption</td>
<td>kg/m²</td>
<td>0.05</td>
<td>EN 1609</td>
</tr>
<tr>
<td><strong>Self-Adhesive layer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A colorless pressure-sensitive modified acrylic adhesives layer covered with a paper release liner.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelf-life</td>
<td>month</td>
<td>12</td>
<td>(15 – 30°C and RH 40-75%)</td>
</tr>
</tbody>
</table>

* The adhesion with Self-Adhesive layer was testing according our installation manual on a flat metal surface in an oven at 95°C for 7 days.
** product warranty of the self-adhesive layer is limited to 1 year, the ThermaSmart®PRO foam insulation warranty is according our general terms and conditions.

Availability

- Standard Rolls, width 1000mm (990-1010mm)
- Short Rolls, width 1000mm (990-1010mm)

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Wall thickness [mm]</th>
<th>Content [m²]</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rolls, Width = 1000mm</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3200-007100-104</td>
<td>7.5</td>
<td>100</td>
<td>1m x 100m roll***</td>
</tr>
<tr>
<td>3200-010100-104</td>
<td>10</td>
<td>104</td>
<td>1m x 104m roll***</td>
</tr>
<tr>
<td>3200-013100-104</td>
<td>13</td>
<td>78</td>
<td>1m x 78m roll***</td>
</tr>
<tr>
<td>3200-019100-104*</td>
<td>19</td>
<td>52</td>
<td>1m x 52m roll***</td>
</tr>
<tr>
<td>3200-025100-104*</td>
<td>25</td>
<td>39</td>
<td>1m x 39m roll***</td>
</tr>
<tr>
<td><strong>Short Rolls, Width = 1000mm</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3200-010100-304</td>
<td>10</td>
<td>10</td>
<td>1m x 10m roll***</td>
</tr>
<tr>
<td>3200-013100-304</td>
<td>13</td>
<td>8</td>
<td>1m x 8m roll***</td>
</tr>
<tr>
<td>3200-019100-304*</td>
<td>19</td>
<td>6</td>
<td>1m x 6m roll***</td>
</tr>
<tr>
<td>3200-025100-304*</td>
<td>25</td>
<td>4</td>
<td>1m x 4m roll***</td>
</tr>
</tbody>
</table>

* on request
** laminated sheet 2x500mm
*** roll may consist of 2 pieces with the total roll length as declared in the table with 1 extra meter as compensation.