ThermaEco FRZ Tube

Thermal Insulation by Thermaflex®

Fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality polyethylene foam

Benefits

• Wide product range and prefabrications
• Consistent performance - Damage free, robust insulation material

Applications

• Domestic heating and plumbing – energy conservation
## 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>25 - 36</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>grey</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>0.038 @ 20°C 0.040 @ 40°C</td>
<td>EN ISO 8497</td>
</tr>
<tr>
<td><strong>Fire properties</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SBI classification</td>
<td>-</td>
<td>E</td>
<td>EN 13501-1</td>
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<tr>
<td><strong>Water resistance properties</strong></td>
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<td></td>
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<tr>
<td>Water absorption</td>
<td>kg/m²</td>
<td>0.05</td>
<td>EN 13472</td>
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</tbody>
</table>

## Availability

- Standard product length is 2m (198-204cm) in carton boxes (205x60x40cm)
- Product versions: pre-slit
- Pre-fabricated parts

<table>
<thead>
<tr>
<th>Carrier Pipe Ø max. [mm]</th>
<th>Tube Insulation Ø [mm]</th>
<th>Carrier Pipe Ø max. [mm]</th>
<th>Tube Insulation Ø [mm]</th>
<th>Insulation Wall Thickness [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>11.0-12.5</td>
<td>42</td>
<td>44.0-46.0</td>
<td>6 (5.5-6.5)</td>
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<tr>
<td>12</td>
<td>13.5-14.5</td>
<td>48-50</td>
<td>51.0-52.5</td>
<td>9 (8-10)</td>
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<tr>
<td>15-16</td>
<td>16.5-17.5</td>
<td>54</td>
<td>56.0-58.0</td>
<td>13 (12-14)</td>
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<tr>
<td>18</td>
<td>19.5-20.5</td>
<td>57</td>
<td>59.0-61.0</td>
<td>20 (19-21)</td>
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<tr>
<td>20-21</td>
<td>21.5-23.0</td>
<td>60</td>
<td>62.0-64.0</td>
<td>25 (24-28) d10+15</td>
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<tr>
<td>22</td>
<td>23.5-24.5</td>
<td>63</td>
<td>64.0-67.0</td>
<td>25 (25-27) d15-22</td>
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<tr>
<td>25</td>
<td>26.0-26.0</td>
<td>70</td>
<td>72.5-74.0</td>
<td>25 (24-26) &gt;d22</td>
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<tr>
<td>27</td>
<td>28.0-29.5</td>
<td>75-76</td>
<td>78.5-80.5</td>
<td>30 (29-31)</td>
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<tr>
<td>28</td>
<td>29.5-31.0</td>
<td>89-90</td>
<td>91.5-93.5</td>
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<td>35-34</td>
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<td>102</td>
<td>105.0-107.0</td>
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<tr>
<td>35</td>
<td>37.0-38.5</td>
<td>108</td>
<td>111.0-113.0</td>
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<tr>
<td>40</td>
<td>42.0-44.0</td>
<td>114</td>
<td>117.0-119.0</td>
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</tbody>
</table>