Declaration of Performance

1. Type
   Expanded Polystyrene

2. Identification
   Sundolitt Climate C60

3. Intended use
   Factory made expanded polystyrene (EPS) products - Thermal insulation for buildings.

4. Manufacturers name and address
   Sundolitt as
   Krog Skolevej 3
   7190 Billund

   E-mail: sundolitt.kundeservice@sundolitt.com

5. Name and address on authorised representative
   Not relevant.

6. System of assessment and verification of constancy of performance (AVCP)
   AVCP system 3

7. Notified body
   Teknologisk Institut – identification number 1235.

   ITT test for: Thermal conductivity [Report 11100-03], Compressive strength [Report 0310/475591], Wateruptake, long therm [Bounded Report 0310/461565].

8. Declared Performance

<table>
<thead>
<tr>
<th>Essential characteristic</th>
<th>Performance</th>
<th>Harmonised technical specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>Class T(2)</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>Class L(3)</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>Class W(3)</td>
<td></td>
</tr>
<tr>
<td>Squareness</td>
<td>Class S(5)</td>
<td></td>
</tr>
<tr>
<td>Flatness</td>
<td>Class P(30)</td>
<td></td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>NPD (former Class F)</td>
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</tr>
<tr>
<td>Thermal conductivity</td>
<td>0.033 W/m2K</td>
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</tr>
<tr>
<td>Thermal Resistance</td>
<td>Thickness Thermal</td>
<td>DS/EN 13 163</td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
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</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------</td>
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</tr>
<tr>
<td>Resistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 m²K/W</td>
<td>1,50</td>
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</tr>
<tr>
<td>100 m²K/W</td>
<td>3,00</td>
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</tr>
<tr>
<td>150 m²K/W</td>
<td>4,50</td>
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<tr>
<td>200 m²K/W</td>
<td>6,05</td>
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<tr>
<td>250 m²K/W</td>
<td>7,55</td>
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<tr>
<td>Compressive strength, short term (10%)</td>
<td>60 kPa</td>
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<tr>
<td>Wateruptake long term</td>
<td>WL(T)5</td>
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<tr>
<td>Glowing combustion</td>
<td>NPD</td>
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<tr>
<td>Release of dangerous substances</td>
<td>No testform available.</td>
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<tr>
<td>Acoustics</td>
<td>NPD</td>
<td></td>
</tr>
<tr>
<td>Deformation under specified compressive load</td>
<td>NPD</td>
<td></td>
</tr>
<tr>
<td>Tensile strength</td>
<td>NPD</td>
<td></td>
</tr>
<tr>
<td>Durability of reaction to fire and thermal conductivity against heat, weathering, ageing/degradation</td>
<td>No change over time and NPD</td>
<td></td>
</tr>
<tr>
<td>Durability of compressive strength against ageing/degradation</td>
<td>NPD</td>
<td></td>
</tr>
<tr>
<td>Compressive strength long term (2%)</td>
<td>18 kPa acc. annex F.2*</td>
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<tr>
<td>Water vapour transmission μ</td>
<td>20 til 40 acc. annex F.4*</td>
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<tr>
<td>Water vapour permeability δ mg/(Pa.h.m)</td>
<td>0,015 til 0,030 acc. annex F.4*</td>
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<tr>
<td>Bending strength</td>
<td>100 kPa acc. annex C*</td>
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<tr>
<td>Shear strength</td>
<td>50 kPa acc. annex F.3*</td>
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</tbody>
</table>


9. The performance for Sundolitt Climate C60 is in conformity with the declared performance in point 8 – Declared performance.

This declaration is issued under the sole responsibility of Sundolitt as, Krog Skolevej 3, 7190 Billund.

Signed for and on behalf of Sundolitt as:

Claus Jørgensen, Techn. Chief
Billund, June the 1st 2017