Termo Organika
Think: Warm

Declaration of performance No.: 8/07/2014/CPR

1. Unique identification code of the product - type

„Silver parking" EPS EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS150-CS(10)100-DS(N)2-DS(70,-)2–DLT(1)5-TR150

2. Intended use/es

Thermal insulation for buildings.

3. Manufacturer

Termo Organika® Sp. z o.o.
B. Prusa 33, 30-117 Kraków, Poland.

4. System/s of AVCP

System 3

5. a. Harmonised standard

Harmonised standard: EN 13163:2012

Notified body/ies: ITB – Instytut Techniki Budowlanej (notified body No 1488) under system 3 performed type testing (based on sampling carried out by the manufacturer).

6. Declared performance/s

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E	EN 13163:2012
Continuous Glowing combustion	NPD	
Water permeability Water absorption (long term immersion) WL(T), WL(P) [%]	NPD	
Release of dangerous substances to the indoor environment	NPD	
Direct airborne sound insulation index Dynamic stiffness SD [MN/m^3]	NPD	
Acoustic absorption index	NPD	
Impact noise transmission index (for floors):		

<table>
<tr><td>Dynamic stiffness
SD [MN/m^3]</td><td colspan="6">NPD</td><td rowspan="4"></td></tr>
<tr><td>Thickness d_L [mm]</td><td colspan="6">NPD</td></tr>
<tr><td>Compressibility CP [mm]</td><td colspan="6">NPD</td></tr>
<tr><td colspan="7">Thermal resistance:</td></tr>
<tr><td>Thermal resistance (R) and thermal conductivity (λ)</td><td colspan="6">Declared thermal conductivity λ_D - 0,035 [W/mK]
<table>
<tr><th>Thickness [mm]</th><th>Thermal resistance R_D[m^{2}K/W]</th><th>Thickness [mm]</th><th>Thermal resistance R_D[m^{2}K/W]</th><th>Thickness [mm]</th><th>Thermal resistance R_D[m^{2}K/W]</th></tr>
<tr><td>10</td><td>0,25</td><td>80</td><td>2,25</td><td>150</td><td>4,25</td></tr>
<tr><td>20</td><td>0,55</td><td>90</td><td>2,55</td><td>160</td><td>4,55</td></tr>
<tr><td>30</td><td>0,85</td><td>100</td><td>2,85</td><td>170</td><td>4,85</td></tr>
<tr><td>40</td><td>1,10</td><td>110</td><td>3,10</td><td>180</td><td>5,10</td></tr>
<tr><td>50</td><td>1,40</td><td>120</td><td>3,40</td><td>190</td><td>5,40</td></tr>
<tr><td>60</td><td>1,70</td><td>130</td><td>3,70</td><td>200</td><td>5,70</td></tr>
<tr><td>70</td><td>2,00</td><td>140</td><td>4,00</td><td>210</td><td>6,00</td></tr>
</table></td><td></td></tr>
<tr><td>Thickness [mm]</td><td colspan="6">T(1) (± 1 mm)</td></tr>
<tr><td>Water vapour permeability [μ]</td><td colspan="6">NPD</td><td rowspan="9">EN 13163:2012</td></tr>
<tr><td colspan="7">Compressive strength:</td></tr>
<tr><td>Compressive stress at 10% deformation CS(10) [kPa]</td><td colspan="6">CS(10)100 (≥ 100 kPa)</td></tr>
<tr><td>Deformation under specified compressive load and temperature conditions DLT [%]</td><td colspan="6">DLT(1)5 (≤ 5%)</td></tr>
<tr><td colspan="7">A compressive creep deformation of 2% or less, when subjected to a permanent compressive stress of 30 kPa (3000 kG/m^2). See F.</td></tr>
<tr><td colspan="7">Tensile/Flexural strength:</td></tr>
<tr><td>Bending strength BS [kPa]</td><td colspan="6">BS150 (≥ 150 kPa)</td></tr>
<tr><td>Tensile strength perpendicular to faces TR [kPa]</td><td colspan="6">NPD</td></tr>
<tr><td>Durability of reaction to fire against heat, weathering, ageing/degradation</td><td colspan="6">No change in reaction to fire properties for EPS products</td></tr>
</table>

Termo Organika Sp. z o.o.
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Durability of thermal resistance and thermal conductivity against ageing/degradation:		
Thermal resistance and thermal conductivity	Thermal resistance and thermal conductivity of EPS products does not change with time	
Dimensional stability under specified temperature and humidity conditions DS(70,-) [%]	DS(70,-)2 (2%)	
Durability of compressive strength against ageing and degradation:		
Compressive creep CC [%]	NPD	
Freeze-thaw resistance [%]	NPD	
Long term thickness reduction [mm]	NPD	
According to Article 6, paragraph 5 of the Regulation of the European Parliament and of the Council (UE) No 305/11 it is to inform that the information required by Regulation No 1907/2006 of The European Parliament and of The Council of 18 December 2006 concerning registration, evaluation, authorisation and applied restriction of chemicals (REACH) are given in " the Product information" which is on the manufacturer's website www.termoorganika.com.pl		
Additional information In the form of instructions and technical data sheets are available on the manufacturer's website www.termoorganika.com.pl		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

This document is the translation of Polish Declaration of performance 8/07/2014/CPR.

Signed for and on behalf of the manufacturer by:

Jerzy Pasternak, Investment & Control Director

Kraków, 30.07.2014.

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