


## Declaration of performance No. 14-DoP-2021-3

1.	Unique identification code of the product-type	<b>Styrofoam plates AQUA EPS P200</b> <b>EPS 200</b> <b>EPS-EN 13163-T1-L3-W2-Sb2-P5-BS250-CS(10)200-DS(N)2-DS(70.90)1-DLT (2) 5-WL(T)1-WD(V)3</b>		
2.	Intended use or uses	<b>Thermal insulation in construction</b>		
3.	Producer	<b>YETICO SA</b> <b>PL-10-416 Olsztyn</b> <b>ul. Towarowa 17A</b>		
4.	System (s) of assessment and verification of constancy of performance	<b>System 3</b>		
5.	Harmonized standard Notified body or bodies	<b>EN 13163: 2012 + A1: 2015</b>  <b>Building Research Institute, No. 1488</b>		
<b>Declared performance</b>				
6.	<b>Essential characteristics</b>	<b>Performance properties</b>	<b>Level / class / limit value / NPD<sup>1)</sup></b>	<b>Harmonized technical specification</b>
Thermal resistance		Thermal resistance Thermal conductivity	R <sub>D</sub> - see table 1 λ <sub>D</sub> - 0.034 W/m·K	EN 13163: 2012 + A1: 2015
		Thickness, d <sub>N</sub>	T1 (±1mm) d <sub>N</sub> - see table 1	
Reaction to fire		Reaction to fire	E	
Durability of reaction to fire as a function of heat, weather, aging / degradation		Durability of properties <sup>2)</sup>	E	
Durability of thermal resistance as a function of heat, weathering, aging / degradation		Thermal resistance <sup>3)</sup> Thermal conductivity <sup>3)</sup>	R <sub>D</sub> - see table 1 λ <sub>D</sub> - 0.034 W/m·K	
		Durability of properties	DS (70.90)1 relative thickness change (≤1%)	
Compressive strength		Compressive stress at 10% deformation	CS200	
Tensile / bending strength		Flexural strength	BS250	
		Tensile strength perpendicular to the faces	NPD	
Durability of compressive strength as a function of aging and degradation		Creep when squeezed	NPD	
		Resistance to freezing - thawing	NPD	
		Long-term thickness reduction	NPD	

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Water permeability	Water absorption with prolonged immersion or Water absorption with long-term diffusion	NPD  WD(V)3	EN 13163: 2012 + A1: 2015																																												
Water vapor permeability	Water vapor transmission	NPD																																													
Impact sound insulation index (for floors)	Dynamic stiffness	NPD																																													
	Thickness, $d_L$	NPD																																													
	Compressibility	NPD																																													
Continuous glowing combustion	Continuous glowing combustion	NPD																																													
Release of hazardous substances to the internal environment	Release of dangerous substances <sup>4)</sup>	NPD																																													
<sup>1)</sup> No Performance Determined <sup>2)</sup> The fire performance of EPS does not deteriorate over time <sup>3)</sup> the thermal conductivity and thermal resistance do not change over time <sup>4)</sup> European test methods are under development																																															
<p><i>Table 1 Declared thermal resistance depending on the thickness of the product</i></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="font-size: small;">Thickness <math>d_n</math> [mm]</th> <th>50</th><th>60</th><th>70</th><th>80</th><th>90</th><th>100</th><th>110</th><th>120</th><th>130</th><th>140</th><th>150</th><th>160</th><th>170</th><th>180</th><th>190</th><th>200</th><th>210</th><th>220</th><th>230</th><th>240</th><th>250</th> </tr> </thead> <tbody> <tr> <th style="font-size: small;"><math>R_D</math> [m<sup>2</sup>·K\W]</th> <td>1.45</td><td>1.75</td><td>2.05</td><td>2.35</td><td>2.60</td><td>2.90</td><td>3.20</td><td>3.50</td><td>3.80</td><td>4.10</td><td>4.40</td><td>4.70</td><td>5.00</td><td>5.25</td><td>5.55</td><td>5.85</td><td>6.15</td><td>6.45</td><td>6.75</td><td>7.05</td><td>7.35</td> </tr> </tbody> </table> <p>The performance of the product identified above is in line with the set of declared performance properties. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.</p> <p style="text-align: center;">Signed on behalf of the manufacturer by:</p> <div style="text-align: center; margin: 10px 0;">               Dyrektor              ds. Zapewnienia Jakości  <b>Ewa Gawlińska</b> </div> <p style="text-align: center;">in Olsztyn, on November 15, 2021</p>				Thickness $d_n$ [mm]	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	$R_D$ [m <sup>2</sup> ·K\W]	1.45	1.75	2.05	2.35	2.60	2.90	3.20	3.50	3.80	4.10	4.40	4.70	5.00	5.25	5.55	5.85	6.15	6.45	6.75	7.05	7.35
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