

## Declaration of performance No. 18-DoP-2021-2

1.	Unique identification code of the product-type	<b>ALFA PASSIVE FASADA polystyrene boards EPS S EPS-EN 13163-T1-L2-W2-Sb2-P5-BS80-TR80</b>		
2.	Intended use or uses	<b>Thermal insulation in construction</b>		
3.	Producer	<b>YETICO SA PL-10-416 Olsztyn 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  Building Research Institute, No. 1488 Polish Center for Testing and Certification SA, No. 1434</b>		
<b>Declared performance</b>				
<b>Essential characteristics</b>		<b>Performance properties</b>	<b>Level / class / limit value / NPD<sup>1)</sup></b>	<b>Harmonized technical specification</b>
6.	Thermal resistance	Thermal resistance Thermal conductivity	R <sub>D</sub> - see table 1 λ <sub>D</sub> - 0.031 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> - 0.031 W/m·K	
		Durability of properties	NPD	
	Compressive strength	Compressive stress at 10% deformation	NPD	
	Tensile / bending strength	Flexural strength	BS80	
		Tensile strength perpendicular to the faces	TR80	
	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  NPD	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			

Table 1 Declared thermal resistance depending on the thickness of the product

<b>Thickness <math>d_N</math> [mm]</b>	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
<b><math>R_D</math> [m<sup>2</sup>·K\W]</b>	0.30	0.60	0.95	1.25	1.60	1.90	2.25	2.55	2.90	3.20	3.50	3.85	4.15	4.50	4.80
<b>Thickness <math>d_N</math> [mm]</b>	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
<b><math>R_D</math> [m<sup>2</sup>·K\W]</b>	5.15	5.45	5.80	6.10	6.45	6.75	7.05	7.40	7.70	8.05	8.35	8.70	9.00	9.35	9.65

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.

Signed on behalf of the manufacturer by:

  
 Dyrektor  
 ds. Zapewnienia Jakości  
**Ewa Gawlińska**

in Olsztyn, on November 4, 2021