

Declaration of performance No. 10-DoP-2021-2

1.	Unique identification code of the product-type	ALFA PODŁOGA PREMIUM polystyrene boards EPS 100 EPS-EN 13163-T2-L3-W3-Sb5-P10-BS150-CS(10)100-DS(N)5-DS(70,-)2-DLT(1)5		
2.	Intended use or uses	Thermal insulation in construction		
3.	Producer	YETICO SA PL-10-416 Olsztyn ul. Towarowa 17A		
4.	System (s) of assessment and verification of constancy of performance	System 3		
5.	Harmonized standard Notified body or bodies	EN 13163: 2012 + A1: 2015 Building Research Institute, No. 1488 Polish Center for Testing and Certification SA, No. 1434		
Declared performance				
Essential characteristics		Performance properties	Level / class / limit value / NPD¹⁾	Harmonized technical specification
6.	Thermal resistance	Thermal resistance Thermal conductivity	R _D - see table 1 λ _D - 0.036 W/m·K	EN 13163: 2012 + A1: 2015
		Thickness, d _N	T2 (± 2mm) d _N - 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 ²⁾	E	
	Durability of thermal resistance as a function of heat, weathering, aging / degradation	Thermal resistance ³⁾ Thermal conductivity ³⁾	R _D - see table 1 λ _D - 0.036 W/m·K	
		Durability of properties	DS(70,-)2 relative thickness change (≤2%)	
	Compressive strength	Compressive stress at 10% deformation	CS(10)100	
	Tensile / bending strength	Flexural strength	BS150	
		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		

Declaration of performance No. 10-DoP-2021-2

Water permeability	Water absorption with prolonged immersion or Water absorption with long-term diffusion	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 ⁴⁾	NPD	
¹⁾ No Performance Determined ²⁾ The fire performance of EPS does not deteriorate over time ³⁾ the thermal conductivity and thermal resistance do not change over time ⁴⁾ European test methods are under development			

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

Thickness d_N [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
R_D [m ² ·K/W]	0.25	0.55	0.80	1.10	1.35	1.65	1.90	2.20	2.50	2.75	3.05	3.30	3.60	3.85	4.15
Thickness d_N [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R_D [m ² ·K/W]	4.40	4.70	5.00	5.25	5.55	5.80	6.10	6.35	6.65	6.90	7.20	7.50	7.75	8.05	8.30

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 15, 2021