

Declaration of performance No. 19-DoP-2021-2

1.	Unique identification code of the product-type	ACUSTIC polystyrene boards EPS T. for thickness: 17/15 mm: EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD30-CP2 for thicknesses: 22/20, 27/25 mm: EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD20-CP2 for thicknesses: 33/30, 38/35 mm: EPS-EN 13163-T1-L3-W3- S _b 5-P10-BS50-DS(N)5-SD15-CP3 for thicknesses: 43/40, 48/45, 53/50, 63/60, 73/70 mm: EPS-EN 13163-T1-L3-W3-S _b 5-P10-BS50-DS(N)5-SD10-CP3		
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 Materialprüfanstalt für das Bauwesen, No. 0764		
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 - 0.045 W/m·K	EN 13163: 2012 + A1: 2015
		Thickness, d _L	T1 (min. -1 mm max. +3 mm) d _L - 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 - 0.045 W/m·K	
		Durability of properties	NPD	
	Compressive strength	Compressive stress at 10% deformation	NPD	
	Tensile / bending strength	Flexural strength	B50	
		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 NPD	EN 13163: 2012 + A1: 2015
Water vapor permeability	Water vapor transmission	NPD	
Impact sound insulation index (for floors)	Dynamic stiffness	SD30 for the thickness of 17 / 15mm SD20 for thicknesses 22/20, 27/25 mm SD15 for thicknesses 33/30, 38/35 mm SD10 for thicknesses 43/40, 48/45, 53/50, 63/60, 73/70 mm	
	Thickness, d_L	T1 (min. - 1 mm, max. + 3 mm) d_L - see table 1	
	Compressibility	CP2 for thicknesses 17/15, 22/20, 27/25 mm CP3 for thickness 33/30, 38/35, 43/40, 48/45, 53/50, 63/60, 73/70 mm	
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_L [mm]	15	20	25	30	35	40	45	50	60	70
R_D [m ² ·K\W]	0.35	0.45	0.60	0.70	0.80	0.95	1.05	1.15	1.40	1.60

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