

## Declaration of performance No. 02-DoP-2021-2

1.	Unique identification code of the product-type  Intended use or uses	GAMMA PODŁOGA polystyrene boards EPS 60 EPS-EN 13163-T1-L2-W2-Sb2-P5-BS100-CS(10)60-DS(N)2-DS(70,-)2 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 / NPD <sup>1)</sup>	Harmonized technical specification							
	Thermal resistance	Thermal resistance Thermal conductivity	$R_D$ - see table 1 $\lambda_D$ - 0.040 W/m·K								
	mermairesisiance	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	E E							
6.	Durability of thermal resistance as a	Thermal resistance <sup>3)</sup> Thermal conductivity <sup>3)</sup>	$R_D$ - see table 1 $\lambda_D$ - 0.040 W/m·K	1316							
	function of heat, weathering, aging / degradation	Durability of properties	DS (70,-)2 relative thickness change (≤2%)	13163: 201							
	Compressive strength	Compressive stress at 10% deformation	CS(10)60	2							
		Flexural strength	BS100	+ A1: 2015							
	Tensile / bending strength	Tensile strength perpendicular to the faces	NPD	2015							
		Creep when squeezed	NPD								
	Durability of compressive strength as a function of aging and degradation	Resistance to freezing - thawing	esistance to freezing - thawing NPD								
		Long-term thickness reduction NPD									



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Water permeability	Water absorption with prolonged immersion or	NPD					
	Water absorption with long-term diffusion	NPD					
Water vapor permeability	Water vapor transmission	NPD	뿔				
	Dynamic stiffness	NPD	131				
Impact sound insulation index (for floors)	Thickness, d₁	NPD	63: :				
	Compressibility	NPD	2012				
Continuous glowing combustion	Continuous glowing combustion	NPD	2 + }				
Release of hazardous substances to the internal environment	Release of dangerous substances <sup>4)</sup>	NPD	: 2015				
<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

Thickness d <sub>N</sub> [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
R <sub>D</sub> [m2·K\W]	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
Thickness d <sub>N</sub> [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R <sub>D</sub> [m2·K\W]	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50

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:

Ewa Gawlińska

in Olsztyn, on November 15, 2021