

## Declaration of performance No. 05-DoP-2021-2

1.	Unique identification code of the product-type	,-)3									
2.	Intended use or uses	Thermal insulat									
3.	Producer	YET PL-10-4 ul. Tow									
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  Central Research and Development Center of the Building Insulation Industry, No. 1486									
	Declared performance										
	Essential characteristics	Performance properties	Level / class / limit value / NPD <sup>1)</sup>	Harmonized technical specification							
	Thermal resistance	Thermal resistance Thermal conductivity	R <sub>D</sub> - see table 1 λ <sub>D</sub> - 0.044 W/m·K								
	memanessiance	Thickness, d <sub>N</sub>	T2 (± 2mm) 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	m Z							
6.	Durability of thermal resistance as a	Thermal resistance <sup>3)</sup> Thermal conductivity <sup>3)</sup>	$R_D$ - see table 1 $\lambda_D$ - 0.044 W/m·K	1316							
	function of heat, weathering, aging / degradation	Durability of properties	DS(70,-)3 relative thickness change (≤3%)	EN 13163: 201							
	Compressive strength	Compressive stress at 10% deformation	NPD	2 + A							
		Flexural strength	BS50	+ A1: 2015							
	Tensile / bending strength	Tensile strength perpendicular to the faces	NPD	015							
		Creep when squeezed	NPD	]							
	Durability of compressive strength as a function of aging and degradation	Resistance to freezing - thawing									
		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					
	Dynamic stiffness	NPD	13163:				
Impact sound insulation index (for floors)	Thickness, d <sub>L</sub>	NPD					
	Compressibility	NPD	2012				
Continuous glowing combustion	Continuous glowing combustion	NPD	+ >1:				
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]	0.20	0.45	0.65	0.90	1.10	1.35	1.55	1.80	2.05	2.25	2.50	2.70	2.95	3.15	3.40
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]	3.60	3.85	4.05	4.30	4.50	4.75	5.00	5.20	5.45	5.65	5.90	6.10	6.35	6.55	6.80

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

a Jakości

in Olsztyn, on November 15, 2021