Declaration of Performance No **EPS-FN-38/2019**

Unique identification code of the product-type:	**Polystyrene boards EPS ATLAS Fundament Standard λ 038 EPS EN 13163 T2-L3-W3-S5-P10-BS150-CS(10)100-DS(N)2-DS(70,-)2-WL(T)5**
Intended use or uses:	Thermal insulation for buildings PN-EN 13163+A1:2015-03
Manufactruer:	ATLAS Sp. z o.o. ul. Św. Teresy 105, 91-222 Łódź telefon: (042) 631 89 45 fax: (042) 631 89 46 www.atlas.com.pl
System or systems of assessment and verification of constancy of performance of the construction product:	System 3
Harmonized norm:	PN-EN 13163+A1:2015-03 Thermal insulation products for buildings - Factory made products of expanded polystyrene (EPS) products - Specification Notified body **no. 1488 Instytut Techniki Budowlanej** (ITB ul. Filtrowa 1, 00-611 Warszawa, Polska).

Declared performance:

Essential characteristics	Performance	
Reaction to fire	Reaction to fire	E
Continuous glowing combustion	Continuous glowing combustion	NPD
Water permeability	Water absorption	WL(T)5
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Index of airborne sound insulation	Dynamic stiffness	NPD
Noise reduction coefficient	-	-
Impact noise transmission index (for floors)	Dynamic stiffness	NPD
	Thickness, d_L	NPD
	Compressibility	NPD
Thermal resistance	Thermal resistance and declared thermal conductivity	R_D – see Table below $\lambda_D \leq 0{,}038$ W/mK
	Thickness	T2
Water vapour permeability	Water vapour transmission	NPD
Compressive strength	Compressive stress at 10% deformation	CS(10)100
	Deformation under specified compressive load and temperature conditions	NPD
Tensile/Flexural strength	Bending strength	BS150
	Tensile strength perpendicular to faces	NPD
Durability of reaction to fire against heat/ weathering/ ageing/ degradation	Durability characteristics	No changes
Durability of thermal resistance against heat/ weathering/ ageing/ degradation	Thermal resistance – declared thermal condictivity	No changes
	Durability characteristics	No changes
Durability of compressive strength against ageing and degradation	Compressive creep	NPD
	Freeze-thaw resistance	NPD
	Long term thickness reduction	NPD

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Thickness [mm]	10	20	30	40	50	60	70	80	90	100
Declared thermal resistance (R_D) [m²K/W]	0,25	0,50	0,75	1,05	1,30	1,55	1,80	2,10	2,35	2,60
Thickness [mm]	110	120	130	140	150	160	170	180	190	200
Declared thermal resistance (R_D) [m²K/W]	2,85	3,15	3,40	3,65	3,95	4,20	4,45	4,70	5,00	5,25
Thickness [mm]	210	220	230	240	250	260	270	280	290	300
Declared thermal resistance (R_D) [m²K/W]	5,50	5,75	6,05	6,30	6,55	6,80	7,10	7,35	7,60	7,85

The performance of the product is in conformity with the declared performance range. This declaration of performance is issued in accordance to EU Regulation no. 305/2011 under sole responsibility of the manufacturer listed above.

Signed for and on behalf of the manufacturer by: Michał Gosławski, on 15.10.2019 (edition 1).

Dyrektor ds. Sprzedaży Zagranicznej
Koordynator GA

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Michał Gosławski