



Unique identification code of the product-type:	Polystyrene boards EPS 70 ATLAS Fasada Grafit λ 039 EPS EN 13163 T1-L2-W2-S5-P5-BS115-DS(N)2-DS(70,-)2-TR100
Intended use or uses:	Thermal insulation for buildings PN-EN 13163+A1:2015-03
Manufacturer:	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:	System 3
Harmonized Standard	PN-EN 13163+A1:2015-03 Thermal insulation products for buildings - Factory made products of expanded polystyrene (EPS) products - Specification Notified body no. 1488 Polish Institute of Construction (ITB ul. Filtrów 1, 00-611 Warszawa, Polska). Notified body no. 1482 Applied Precision Ltd

Declared performance:

Essential characteristics	Performance	
Reaction to fire	Reaction to fire	E
Continuous glowing combustion	Continuous glowing combustion	N/A
Water permeability	Water absorption	N/A
Release of dangerous substances to the indoor environment	Release of dangerous substances	N/A
Index of airborne sound insulation	Dynamic stiffness	N/A
Noise reduction coefficient	-	-
Impact noise transmission index (for floors)	Dynamic stiffness	N/A
	Thickness, d_L	N/A
	Compressibility	N/A
Thermal resistance	Thermal resistance and declared thermal conductivity	R_D – see Table below $\lambda_D \leq 0.039$ W/mK
	Thickness	T1
Water vapour permeability	Water vapour transmission	N/A
Compressive strength	Compressive stress at 10% deformation	CS(10)70
	Deformation under specified compressive load and temperature conditions	N/A
Tensile/Flexural strength	Bending strength	BS115
	Tensile strength perpendicular to faces	TR100
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 conductivity	No changes
	Durability characteristics	No changes
Durability of compressive strength against ageing and degradation	Compressive creep	N/A
	Freeze-thaw resistance	N/A
	Long term thickness reduction	N/A

Thickness [mm]	10	20	30	40	50	60	70	80	90	100
Declared thermal resistance (R_D) [m ² K/W]	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.05	2.30	2.55



Thickness [mm]	110	120	130	140	150	160	170	180	190	200
Declared thermal resistance (R _D) [m ² K/W]	2.80	3.05	3.30	3.55	3.80	4.10	4.35	4.60	4.85	5.10
Thickness [mm]	210	220	230	240	250	260	270	280	290	300
Declared thermal resistance (R _D) [m ² K/W]	5.35	5.60	5.85	6.15	6.40	6.65	6.90	7.15	7.40	7.65

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 Goślawski in Łódź, on 22.02.2018 (edition 3).

ATLAS sp. z o.o.
Dyrektor ds. Rynków Zagranicznych

..... Michał Goślawski