



EPS FF-PLUS

№ 20180227-01-D

1. Unique identification code of product type:

EPS FF-PLUS
BDS EN 13163-T1-L2-W2-S2-P5-BS135-DS(N)2-DS(70,-)1-WL(T)2-TR100-MU(20-40)

2. Type, batch or serial number or other element allowing identification of the construction product as required under Article 11, paragraph 4 of Regulation (EU) №305/2011:

**Insulation boards from graphite expanded polystyrene EPS FF+
/batch number printed on the package/**

3. Intended use or uses of the construction product in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Facade thermal insulation boards from expanded polystyrene with improved insulation qualities.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer, as required under Article 11, paragraph 4 of Regulation (EU) №305/2011:

AUSTROTHERM BULGARIA
Kasichene, Industrial area, Sofia 1532, Bulgaria
tel. +359 (0) 2 974 64 70
+359 (0) 2 974 64 61
e-mail: office@austrotherm.bg

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12, paragraph 2 of Regulation (EU) №305/2011:

TERAZID Ltd.
5 „5004” Str., Gara Iskar, Sofia 1528, Bulgaria
tel. +35929799971
e-mail: office@terazid.com

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Regulation (EU) №305/2011 for construction products, Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by harmonized standard:

BDS EN 13163 - Thermal insulation products for buildings - Factory made products of expanded polystyrene (EPS) – Specification.

The notified body **1950 - The Research Institute of Building Materials (NIISM)**, Sofia, has performed initial type testing, based on samples provided from the manufacturer.



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8. Declared performance

Essential characteristics		Performance			Harmonized technical specification						
BDS EN 13163-T1-L2-W2-S2-P5-BS135-DS(N)2-DS(70,-)1-WL(T)2-TR100-MU(20-40)											
Reaction to fire		Euroclass E			BDS EN 13501-1						
Density		14.1 kg/m ³			BDS EN 13163						
Coefficient of heat transmission λ $t = 10^{\circ}\text{C}$		0.032 W/m.K			BDS EN 12667						
Heat resistance R_D	d [mm]	20	30	40	50	60	70	80	100	120	150
	R_D [m ² .K/W]	0.62	0.94	1.25	1.56	1.88	2.19	2.50	3.12	3.75	4.69
Resistant to water vapour diffusion μ		20-40			BDS EN 12086						
Water absorption at full submersion		$\leq 2\%$			BDS EN 12087						
Compressive strength – 10% deformation		≥ 80 kPa CS(10)80			BDS EN 13163						
Bending strength		≥ 135 kPa BS135			BDS EN 13163						
Tensile strength, perpendicular to the surface		≥ 100 kPa TR100			BDS EN 13163						

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer (authorized representative) by:

Sofia
18.11.2021

Rosen Stankov:
General Manager
TERAZID Ltd

