

Declaration of performance No. 053-CPR-EPSTF

1. Unique identification code of the product type: **Austrotherm EPS FF**
Designation code: **EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS125-CS(10)70-TR130-WL(T)2-MU(20-40)**
2. Type, batch or serial number: see the seal on the plates
3. Intended use/uses: Thermal insulation for buildings.
4. Manufacturer: Austrotherm Bulgaria EOOD, Kazichene, Industrial Zone, 1532 Sofia;
www.austrotherm.bg
5. System(s) for assessing and verifying constancy of performance: System 3
6. Harmonized standard: EN 13163:2012+A2:2016
National reference number BDS EN 13163:2012+A2:2017
Notified body/bodies: Research Institute of Building Materials NB 2032 (previous number NB 1950)
7. Declared performance indicators:

Essential characteristics	Performance indicators	Harmonized technical specification
Thermal resistance	Thermal resistance	see the table below
	Thermal conductivity coefficient	≤0.038 W/mK
	Thickness	T(1)
Dimensions	Length tolerance class	L(2)
	Width tolerance class	W(2)
	Squareness tolerance class	S(2)
	Flatness tolerance class	P(5)
Reaction to fire	Reaction to fire	Euroclass E
Durability of thermal resistance under the influence of heat, weathering, aging/destruction	Dimensional stability under constant normal laboratory conditions	± 0.2%
	Dimensional stability under certain temperature and humidity conditions	≤ 1%
Compressive strength	Compressive stress at 10% strain	CS ≥ 70 kPa
Tensile/flexural strength	Bending strength	BS ≥ 125 kPa
	Tensile strength perpendicular to surfaces	TR ≥ 130 kPa
Water permeability	Continuous water absorption upon complete immersion	≤ 2%
	Water absorption during prolonged partial immersion	< 0.5 kg/m ²
Water vapor permeability	Water vapor diffusion resistance number (μ)	20+40
Bulk density	Bulk density	≥14 kg/m ³

EN 13163:2012+A2:2016 National reference number BDS EN 13163:2012+A2:2017

8 The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Sofia, 11/2024

Manager
Diana Chobanova



Table Thermal resistance according to EN 13163:2012+A2:2016

d _N mm	R _D m ² K/W
10	0.25
20	0.50
30	0.75
40	1.05
50	1.30
60	1.55

d _N mm	R _D m ² K/W
70	1.80
80	2.10
90	2.35
100	2.60
110	2.85
120	3.15

d _N mm	R _D m ² K/W
130	3.40
140	3.65
150	3.90
160	4.20
170	4.45
180	4.70

d _N mm	R _D m ² K/W
190	5.00
200	5.25
210	5.50
220	5.75
230	6.05
240	6.30

d _N mm	R _D m ² K/W
250	6.55
260	6.80
270	7.10
280	7.35
290	7.60
300	7.85