

**DECLARATION OF PERFORMANCE – DoP: 023 – EPS 150 Austro’  
Thermfloor 20  
EPS A150 expanded polystyrene sheets, with notches - Austro’ Thermfloor 20  
For underfloor heating systems**

1. Product unique identification code: expanded polystyrene plates type EPS A150, with notches – **Austro’Thermfloor 20 SR EN 13163+A1:2015-EPS-L2-W1-T1-S<sub>b</sub>1-P3-BS250-TR190 CS(10)150-DS(70,-)1-DS(N)2-WL(T)3**
2. Intended use, in compliance with the applicable harmonized technical specification: **Thermal insulation of buildings**
3. Manufacturer: **SC Austrotherm Com SRL**. E-mail: [office@austrotherm.ro](mailto:office@austrotherm.ro), Bucharest, BD. Iuliu MANIU, nr. 598, sector 6
4. Authorised representative: non-applicable
5. System for the evaluation and verification of performance constancy: System 3
6. Harmonised system: **SR EN 13163+A1:2015** Notified body with No. 1841 – INC D URBAN – INCERC BUCHAREST
7. Declared performances:

Essential characteristics	Declared performance		Harmonised standard
Thermal resistance	Thermal resistance:	R <sub>D</sub> 0,50 [m <sup>2</sup> K/W]	<b>SR EN 13163 + A1:2015</b>
	Thermal conductivity:	λ <sub>D</sub> 0,034 [W/mK]	
	Nominal plate thickness:	d <sub>N</sub> – 18 [mm], T1	
	Total thickness with nuts:	d – 40 [mm], T1	
Reaction to fire	Euroclass:	E	
Durability of reaction to fire, after exposure to heat, weathering, aging/degradation	Durability characteristics:	NPD	
Durability of thermal resistance, after exposure to heat, weathering, aging/degradation	Thermal resistance:	R <sub>D</sub> 0,50 [m <sup>2</sup> K/W]	
	Thermal conductivity:	λ <sub>D</sub> 0,034 [W/mK]	
	Durability characteristics:	NPD	
Compression resistance	CS(10)150		
Tensile/bending strength	Traction resistance perpendicular to faces	TR190	
	Bending strength	BS250	
Durability of compressive strength after aging/degradation	Compressive creep	CC(2,5/2/10)100	
	Freeze-thaw resistance	FTCD1	
	Long-lasting thickness reduction	CP2	

Water permeability	Long-term water absorption through total immersion	WL(T)3
	Long-term water absorption by diffusion	WD(V)2
Water vapor permeability	Water vapor transmission	Z 0,02 [mg/Pa.h.m]
Impact noise transmission coefficient	Dynamic rigidity	NPD
	Thickness dL	T1
	Compressibility	CP2
Continuous incandescent burning	NPD Method under development	
Emission of hazardous substances in the indoor environment	NPD Method under development	

8. Appropriate technical documentation and/or specific technical documentation: SR EN 13163 + A1:2015

The performance of the product identified above is in compliance with the set of declared performances.

This declaration of performance is issued in compliance with the EU Regulation No. 305/2011 on the sole liability of the manufacturer **SC AUSTROTHERM COM SRL**.

Signed for and on behalf of the manufacturer by: **Laurentiu ISTRATE – Austrotherm Director**

Place/date of issuance of the declaration: Bucharest/February 2023

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SC Austrotherm Com SRL, Romania, logo]