

DECLARATION OF PERFORMANCE (DoP)

N° 040002-CPR2013-IT



1. Unique identification code of the product type:

X-FOAM HBD

Extruded polystyrene boards (XPS)

2. Intended use of the product: Thermal insulation for buildings

3. Name and address of the manufacturer:

EDILTEC INSULATION S.p.A.
Z.I. CONTRADA STAMPALONE – 64036 – CELLINO ATTANASIO (TE)
Ph. 0861 668008 – Fax. 0861 669256

 4. System of assessment and verification of constancy of performance: **System 3**

5. Notified bodies:

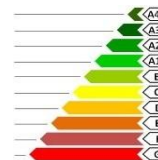
**FIW – FORSCHUNGSINSTITUT FÜR WÄRMESCHUTZ e.V. Manchen Lochhamer Schlag 4 –
82166 Gräfelfing, NB 0751; ISTITUTO GIORDANO, Via Rossini, 2 – 47814 Bellaria (RN) – ITALIA, NB 0407**
Notified testing laboratories (NB 0751 and NB 0407) carried out determination of the product type (ITT) for groups of products according to characteristic.

- ❖ The performance of the product identified in point 1 is in conformity with the declared performance in Annex
- ❖ This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3

6. Prestazione dichiarata

Essential characteristics	Performance	Harmonized technical specification
Thickness class tolerance	Declared class: T1 Thickness < 50 mm : ± 2 mm Thickness 50-100 mm : -2/+3 mm	EN 13164:2012 + A1:2015
Dimensional stability under specified conditions	Declared class: DS(70,90) A 70° C e 90% U.R.: Dimensional change: ≤ 5%	
Long term water absorption after total immersion (28 days)	Declared level: WL(T)0,7 Absorption ≤ 0,7% vol.	
Long term water absorption after diffusion (28 days)	Declared level: WD(V)3 Absorption ≤ 3% vol. (thick. < 60 mm) Declared level: WD(V)2 Absorption ≤ 2% vol. (thick. 60 mm) Declared level: WD(V)1 Absorption ≤ 1% vol. (thick. > 60 mm)	
Freeze-thaw resistance	Declared level: FTCD1 Absorption ≤ 1% vol.	
Deformation under specified conditions	Declared class: DLT(2)5 A 70°C, 168 h, 40 kPa: Dimensional change ≤ 5%	

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6. Declared performance:

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Essential characteristics	Performance			Harmonized technical specification
Thermal Conductivity (λ_D) and Thermal Resistance (R_D)	Thickness [mm]	λ_D: [W/mK]	R_D: [m²K/W]	EN 13164:2012 + A1:2015
	30	0,031	0,95	
	40	0,032	1,25	
	50	0,033	1,50	
	60	0,033	1,80	
	80	0,032	2,50	
	100	0,033	2,90	
Compressive strenght	Declared level: CS(10/Y)300 ≥ 300 kPa			
Compressive creep, long term compression stress	Declared level: CC(2/1,5/50) 130 ≥ 130 kPa			
Tensile strenght perpendicular to faces	NPD			
Reaction to fire	Euroclass E			
Durability of the reaction to fire	There are no variations with time			
Water vapour diffusion resistance factor (μ)	Declared level: MU150 (thickness. 30 mm) Declared level: MU100 (thickness. 50 - 100 mm)			
Continuous glowing combustion	Test method under development – European norm not available yet			
Release of dangerous substances	Test method under development – European norm not available yet			

Rev. 01/12/2023 Technical office

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Cellino Attanasio (TE), 1 december 2023
The legal representative:
