EDILTEC INSULATION S.P.A.
Sede Legale e Stabilimento:
Z.I. C.da Stampalone – 64036 Cellino Attanasio (TE)
Sede Amministrativa:
Strada dell'Alpo 27 – 37136 Verona – Tel. 045 8201406
Ufficio Commerciale:
Via Giardini 474/M – 41124 Modena – Tel. 059 2916411
info@ediltec.com – www.ediltec.com – PEC:ediltecinsulation@legalmail.it

DECLARATION OF PERFORMANCE (DoP)

N° 040003-CPR2013-IT

CE

1. Unique identification code of the product-type:

X-FOAM HBT 500

Extruded polystyrene boards (XPS)

2. Intended use of the product: **Thermal insulation for buildings according to EN 13164**

3. Name and contact 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:

ISTITUTO GIORDANO, Via Rossini, 2 – 47814 Bellaria (RN) – ITALIA, NB 0407; FIW – FORSCHUNGSINSTITUT FÜR WÄRMESCHUTZ e.V. Manchen Lochhamer Schlag 4 – 82166 Gräfelfing, NB 0751

Notified testing laboratories (NB 0407 and NB 0751) 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. Declared performance

Essential characteristics	Performance	European standard
Thickness tolerance class	**Declared Class T1:** Thickness 50 – 100 mm: -2/+3 mm Thickness ≥ 120 mm: -2/+6 mm	EN 13164:2012 + A1:2015
Dimensional stability under specified conditions	**Declared class: DS(70,90)** A 70° C e 90% U.R.: Change in size ≤ 5%	
Long term water absorption by total immersion (28 days)	**Declared level: WL(T)0,7** Absorption ≤ 0,7% vol.	
Long term water absorption by 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: Change in size ≤ 5%	

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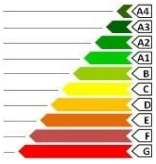

6. Declared performance: (Nº 040003-CPR2013-IT)

Essential characteristics	Performance			European standard
Thermal conductivity (λ_D) and Thermal resistance (R_D)	**Thickness** [mm]	**λ_D:** [W/mK]	**R_D: [**m^2K/W]	EN 13164:2012 + A1:2015
	50	0,033	1,50	
	60	0,033	1,80	
	80	0,032	2,50	
	100	0,033	3,00	
	120	0,033	3,60	
	140	0,034	4,15	
	160	0,034	4,70	
	180	0,034	5,25	
	200	0,034	5,85	
	220	0,035	6,30	
	240	0,035	6,85	
Compressive strenght (10% deformation)	**Declared level: CS(10/Y)500** ≥ 500 kPa			
Compressive creep	**Declared level: CC(2/1,5/50)180** ≥ 180 kPa			
Tensile strenght	**NPD**			
Reaction to fire	**Euroclass E**			
Durability of the reaction to fire against heat, weathering, aging/degradation	**The fire performance of XPS does not deteriorate with time**			
Water vapour diffusion resistance factor (μ)	**Declared level: MU150**			
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			

Cellino Attanasio (TE), 1 december 2023

The legal representative: