



DECLARATION OF PERFORMANCE (DoP)

N° 040007-CPR2013-IT



1. Unique identification code of the product-type:

X-FOAM WAFER

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 T2: ± 1,5 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%	


6. Declared performance:

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Essential characteristics	Performance			European standard
	Thickness [mm]	λ_D : [W/mK]	R_D : [m ² K/W]	
Thermal conductivity (λ_D) and Thermal resistance (R_D)	20	0,031	0,60	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	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	
	260	0,036	7,20	
	280	0,036	7,75	
300	0,036	8,30		
Compressive strenght (at 10% deformation)	Declared level: CS(10/Y)200 ≥ 200 kPa (thickn. 30 - 40 mm) Declared level: CS(10/Y)250 ≥ 250 kPa (thickn. 50 - 60 mm) Declared level: CS(10/Y)300 ≥ 300 kPa (thickn. 80 - 100 mm)			
Tensile strenght	Declared level: TR400 ≥ 400 kPa			
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: MU80			
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			

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Cellino Attanasio (TE), 1 december 2023

The legal representative:

