

DECLARATION OF PERFORMANCE (DoP)

N° 040005-CPR2013-IT



1. Unique identification code of the product-type:

X-FOAM LMF

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**

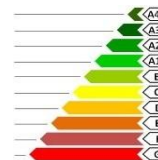
5. Notified bodies:

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 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.: 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 ore, 40 kPa: Change in size ≤ 5%	


6. Declared performance:

(N° 040005-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 ² K/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	0,034	2,35	
	100	0,034	2,90	
Compressive strenght (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	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 (30 mm) MU100 (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

pag. 2/2

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