



DECLARATION OF PERFORMANCE (DoP)

N° 040100-CPR2013-EN



1. Unique identification code of the product type:

X-FOAM EASY PIL

Extruded Polystyrene Panels (XPS)

2. Intended use of the product: **Thermal insulation for construction**

3. Name and Address of the Manufacturer:

EDILTEC INSULATION S.p.A.

Z.I. CONTRADA STAMPALONE – 64036 – CELLINO ATTANASIO (TE)

Tel. 0861 668008 – Fax. 0861 669256

4. System for the evaluation and verification of the 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) – ITALY, NB 0407

Notified testing laboratories (NB 0407 - NB 0751) which have carried out type tests (ITT) for product groups according to characteristic.

- ❖ The performance of the product referred to in point 1 is in accordance with the performance declared in point 6
- ❖ This declaration of performance is issued under the sole responsibility of the manufacturer referred to in point 3

6. Declared performance

Essential Feature	Performance	Harmonised Technical Specification
Thickness tolerance	Declared Class T2: Thickness 25 – 100 mm: ± 1.5 mm	EN 13164:2012 + A1:2015
Dimensional stability under specific temperature and humidity conditions	Declared Class: DS(70,90) <u>At 70° C and 90% R.H.:</u> Size Change: ≤ 5%	
Water absorption by immersion (28 days)	Declared level: WL(T)0.7 Absorption ≤ 0.7% vol.	
Water absorption by diffusion (28 days)	Declared level: WD(V)3 Absorption ≤ 3% vol. (thick: 20 - 50 mm) Declared level: WD(V)2 Absorption ≤ 2% vol. (thickness 60 mm) Declared level: WD(V)1 Absorption ≤ 1% vol. (thickness 80 - 300 mm)	
Frost behaviour (freeze-thaw alternations)	Declared level: FTCD1 Absorption ≤ 1% vol.	
Deformation behavior under specific load and temperature conditions	Declared Class: DLT(2)5 <u>At 70°C, 168h, 40 kPa:</u> Size change ≤ 5%	

6. Declared performance:

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Essential Features	Performance			Harmonised Technical Specificatio
Thermal conductivity (λD) Thermal Resistance (RD)	Thickness [mm]	λD: [W/mK]	RD: [m ² K/W]	
	25	0,031	0,80	
	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 strength with 10% deformation	Declared level: CS(10/Y)200 ≥ 200 kPa (25 – 100 mm thick)			EN 13164:2012 + A1:2015
Tensile strength perpendicular to faces	TR 400			
Reaction to fire	Euroclass E			
Durability of reaction to fire against heat, ag.atm, aging/degradation	There is no variation over time			
Resistance to water vapor diffusion μ	Declared level: MU80 (25-100 mm thick)			
Continuous combustion for incandescent	European Test Method Under Development – Harmonized Standard European not yet available			
Release of substances dangerous	European Test Method Under Development – Harmonized Standard European not yet available			

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Modena, 12 April 2021

The legal representative:

