EDILTEC INSULATION S.P.A.
Registered Office and Factory:
Z.I. C.da Stampalone – 64036 Cellino Attanasio (TE)
Administrative Office:
Strada dell'Alpo 27 – 37136 Verona – Tel. 045 8201406
Sales Office:
Via Giardini 474/M – 41124 Modena – Tel. 059 2916411
info@ediltec.com – www.ediltec.com – PEC:ediltecinsulation@legalmail.it

DECLARATION OF PERFORMANCE (DoP)

Nº 040102-CPR2013-EN

CE

1. Unique identification code of the product type:

X-FOAM TRC

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 20 – 100 mm: ± 1.5 mm	EN 13164:2012 + A1:2015
Dimensional stability under specific temperature and humidity conditions	**Declared Class: DS(70,90)** At 70º C and 90% R.H.: Size Change: ≤ 5%	
Water absorption for Diving (28 days)	**Declared level: WL(T)0.7** Absorption ≤ 0.7% vol.	
Water absorption for Spread (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)	
Frost behaviour (freeze-thaw alternations)	**Declared level: FTCD1** Absorption ≤1% vol.	
Deformation behavior under specific load and temperature conditions	**Declared Class: DLT(2)5** At 70°C, 168h, 40 kPa: Size change ≤ 5%	

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6. Declared performance:

(Nº 040102-CPR2013-EN)

Essential Features	Performance			Harmonised Technical Specification
Thermal Conductivity (λD) and Thermal Resistance (RD)	**Thickness** [mm]	**λD:** [W/mK]	**RD:** [m2K/W]	EN 13164:2012 + A1:2015
	20	0,031	0,60	
	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 (20 – 40 mm thick) **Declared level: CS(10/Y)250** ≥ 250 kPa (50 – 60 mm thick) **Declared level: CS(10/Y)300** ≥ 300 kPa (80 – 100 mm thick)			
Compressive strength after 50 years with ≤ 2% crushing	**NPD**			
Tensile strength perpendicular to faces	**Declared level: TR200** ≥ 200 kPa			
Reaction to fire	**Euroclass E**			
Durability of reaction to fire against heat, atm, aging/degradation	**There is no variation over time**			
Resistance to water vapor diffusion μ	**Declared level: MU80** (thickness 20-100 mm)			
Continuous combustion by incandescent	European test method under development – European harmonised standard not yet available			
Release of hazardous substances	European test method under development – European harmonised standard not yet available			

Cellino Attanasio, 1 December 2023

The legal representative: