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Stabilimento
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DECLARATION OF PERFORMANCE

N° 040001-CPR2013-IT

(1/2)

1. Unique identification code of the product-type:

X-FOAM HBT
Extruded polystyrene panels (XPS)

2. Intended use of the product:

Thermal insulation for buildings according to EN 13164

3. Name and contact address of the manufacture:

EDILTEC S.R.L.
VIA GIARDINI, 474/M
41124 – MODENA (MO)
Phone 059 29 16 411 – Fax. 059 34 42 32

4. System of assessment and verification of constancy of performance:

System 3

5. Notified body:

FIW – FORSCHUNGSINSTITUT FÜR WÄRMESCHUTZ e.V. Manchen Lochhamer Schlag
4 -82166 Gräfelfing

Notified testing laboratory (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

Modena 28-03-2018

The legal representative: Ing. Stefano Sboarina



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ANNEX DECLARATION OF PERFORMANCE

N° 040001-CPR2013-IT

(1/2)

Declared performance

Essential characteristics	Performance	Technical specification	
Thickness tolerance class	Declared Class T1: Thickness < 50 mm: ±2 mm Thickness 50 - 100 mm: -2/+3 mm Thickness > 120 mm: -2/+6 mm		
Thermal conductivity (λ_D) and Thermal resistance (R_D)	Thickness (mm)		
	30	λ_D : W/mK 0,032	R_D : m ² K/W 0,90
	40	0,033	1,20
	50	0,034	1,45
	60	0,034	1,75
	80	0,035	2,25
	100	0,035	2,85
	120	0,036	3,30
	140	0,034	4,15
	160	0,034	4,70
	180	0,034	5,25
	200	0,035	5,75
	220	0,035	6,30
	240	0,035	6,85
260	0,035	7,45	
280	0,035	8,00	
300	0,035	8,55	
Compressive strenght	Declared level: CS(10/Y)300 ≥ 300 kPa	EN 13164:2012 + A1:2015	
Compressive creep	Declared level: CC(2/1,5/50)120 ≥ 120 kPa		
Dimensional stability under specified conditions	Declared class: DS(70,90) A 70° C e 90% U.R.: Change in size ≤ 5%		
Deformation under specified conditions	Declared class: DLT(2)5 A 70° C, 168 ore, 40 kPa: 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)5 Absorption ≤ 5% vol. (thick. 30 - 50 mm)		
	Declared level: WD(V)3 Absorption ≤ 3% vol. (thick. 60 - 300 mm)		
Water vapour diffusion resistance factor (μ)	Declared level: MU150 (thick. 30 mm)		
	Declared level: MU100 (thick. 40 - 300 mm)		
Freeze-thaw resistance	Declared level: FTCD1 Absorption ≤ 1% vol.		
Reaction to fire	Euroclass E		