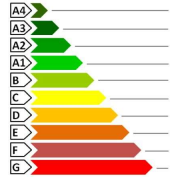




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## DECLARATION OF PERFORMANCE

N° 040003-CPR2013-IT

(1/2)

1. Unique identification code of the product-type:

**X-FOAM HBT 500**  
**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

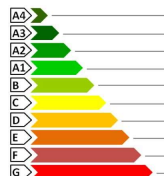
Modena 28-03-2018

The legal representative: Ing. Stefano Sboarina



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## ANNEX DECLARATION OF PERFORMANCE

N° 040003-CPR2013-IT

(1/2)

### Declared performance

Essential characteristics	Performance	Technical specification		
<b>Thickness tolerance class</b>	<b>Declared Class T1:</b> Thickness 50 – 100 mm: -2/+3 mm Thickness > 120 mm: -2/+6 mm	EN 13164:2012 + A1:2015		
<b>Thermal conductivity (<math>\lambda_D</math>) and Thermal resistance (<math>R_D</math>)</b>	<b>Thickness (mm)</b>		<b><math>\lambda_D</math>: W/mK</b>	<b><math>R_D</math>: m<sup>2</sup>K/W</b>
	50		0,034	1,45
	60		0,034	1,75
	80		0,036	2,20
	100		0,036	2,75
	120		0,036	3,30
	140		0,034	4,10
	160		0,034	4,70
	180		0,034	5,25
	200		0,035	5,70
	220		0,035	6,20
	240		0,036	6,65
	260		0,036	7,30
280	0,036		7,75	
300	0,036	8,30		
<b>Compressive strenght</b>	<b>Declared level: CS(10/Y)500</b> ≥ 500 kPa			
<b>Compressive creep</b>	<b>Declared level: CC(2/1,5/50)220</b> ≥ 220 kPa			
<b>Dimensional stability under specified conditions</b>	<b>Declared class: DS(70,90)</b> A 70° C e 90% U.R.: Change in size ≤ 5%			
<b>Deformation under specified conditions</b>	<b>Declared class: DLT(2)5</b> A 70° C, 168 ore, 40 kPa: Change in size ≤ 5%			
<b>Long term water absorption by total immersion (28 days)</b>	<b>Declared level: WL(T)0,7</b> Absorption ≤ 0,7% vol.			
<b>Long term water absorption by diffusion (28 days)</b>	<b>Declared level: WD(V)5</b> Absorption ≤ 5% vol. (thick. 50 mm) <b>Declared level: WD(V)3</b> Absorption ≤ 3% vol. (thick. 60 - 300 mm)			
<b>Water vapour diffusion resistance factor (<math>\mu</math>)</b>	<b>Declared level: MU100</b> (thick. 50 - 300 mm)			
<b>Freeze-thaw resistance</b>	<b>Declared level: FTCD1</b> Absorption ≤ 1% vol.			
<b>Reaction to fire</b>	<b>Euroclass E</b>			