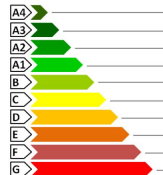




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## DECLARATION OF PERFORMANCE

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 mm: ±2 mm Thickness 50 – 100 mm: -2/+3 mm Thickness > 120 mm: -2/+6 mm	
<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>
	50	0,034
	60	0,034
	80	0,036
	100	0,036
	120	0,036
	140	0,034
	150	0,034
	160	0,034
	180	0,034
	200	0,035
	220	0,035
	240	0,036
	260	0,036
280	0,036	
300	0,036	
<b>Compressive strenght</b>	<b>Declared level: CS(10/Y)500</b> ≥ 500 kPa	EN 13164:2012 + A1:2015
<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>	