

DECLARATION OF PERFORMANCE

N° 040002-CPR2013-IT

(1/2)

1. Unique identification code of the product-type:

X-FOAM HBD
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 Bayern GmbH
Ottostr. 5
D 92442 WACKERSDORF
Phone 211/125/20802 – Ust-ID-Nr.: DE258227256

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

Wackersdorf 10/02/2021

The legal representative: Ing. Stefano Sboarina



ANNEX DECLARATION OF PERFORMANCE

N° 040002-CPR2013-IT

(2/2)

Essential characteristics (EN13164-ZA1)	Performance	Technincal specifications																								
Thickness tolerance class	Declared Class T1 dN < 50 mm: ±2 mm dN 50-120 mm: -2/+3 mm	EN 823:2013 EN 13164:2012																								
Thermal conductivity (λ_D) and Thermal resistance (R_D)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Thickness (mm)</th> <th style="text-align: center;">λ_D: W/mK</th> <th style="text-align: center;">R_D: m²K/W</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">30</td><td style="text-align: center;">0,033</td><td style="text-align: center;">0,90</td></tr> <tr><td style="text-align: center;">40</td><td style="text-align: center;">0,033</td><td style="text-align: center;">1,20</td></tr> <tr><td style="text-align: center;">50</td><td style="text-align: center;">0,034</td><td style="text-align: center;">1,45</td></tr> <tr><td style="text-align: center;">60</td><td style="text-align: center;">0,034</td><td style="text-align: center;">1,75</td></tr> <tr><td style="text-align: center;">80</td><td style="text-align: center;">0,035</td><td style="text-align: center;">2,25</td></tr> <tr><td style="text-align: center;">100</td><td style="text-align: center;">0,035</td><td style="text-align: center;">2,85</td></tr> <tr><td style="text-align: center;">120</td><td style="text-align: center;">0,035</td><td style="text-align: center;">3,40</td></tr> </tbody> </table>	Thickness (mm)	λ_D : W/mK	R_D : m ² K/W	30	0,033	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	0,035	3,40	EN 12667:2001 EN 12939:2000 EN 13164:2012
Thickness (mm)	λ_D : W/mK	R_D : m ² K/W																								
30	0,033	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	0,035	3,40																								
Compressive strenght	CS(10/Y)300 ≥ 300 kPa	EN 826:2013 EN 13164:2012																								
Compressive creep	CC(2/1,5/50)130 ≥ 130 kPa	EN 1606:2013 EN 13164:2012																								
Dimensional stability under specified conditions	Declared class: DS(70,90) At 70° C and 90% U.R.: Change in size ≤ 5%	EN 1604:2013 EN 13164:2012																								
Long term water absorption by total immersion (28 days)	WL(T)0,7 Absorption ≤ 0,7% vol.	EN 12087:2013 EN 13164:2012																								
Deformation under specified conditions 40 kPa; (70 ± 1) °C; (168 ± 1) h	DLT(2)5 Change in size ≤ 5%	EN 1605:2013 EN 13164:2012																								
Long term water absorption by diffusion (28 days)	WD(V)5 Absorption ≤ 5% vol. (Thick. 30-50 mm) WD(V)3 Absorption ≤ 3% vol. (Thick. 60-120 mm)	EN 12088:2013 EN 13164:2012																								
Water vapour diffusion resistance factor (μ)	MU150 (Thick. 30mm) MU100 (Thick. 40-120mm)	EN 12086:2013 EN 13164:2012																								
Resistance to alternating frost / thaw stress after long-term water absorption through diffusion	FTCD1 Absorption ≤ 2% vol. (Thick. 30-50 mm) Absorption ≤ 1% vol. (Thick. 60-120 mm)	EN 12091:2013 EN 13164:2012																								
Reaction to fire	Euroklasse E	EN 11925-2:2010 EN 13501-1:2007																								

X-Foam HBD corresponds to the product type XPS-G 30 according to ÖN B 6000