

DECLARATION OF PERFORMANCE

No. LT-U-25-04/307/EN

1. Unique identification code of the product-type:

BEWI uniPIR

2. Intended use/es:

Thermal insulation for roof, wall, floor, underground, etc.

3. Manufacturer:

UAB "BEWI Lithuania", S. Lozoraičio g. 15A, Garliava, LT-53229, Lithuania.

Production department: J. Basanavičiaus g. 122, Utena, LT-28214, Lithuania.

4. System/s of AVCP:

System 1 for reaction to fire, compressive strength, thermal resistance

System 3 for other characteristics

5a. Harmonised standard:

EN 13165:2012 + A2:2016

Notified body/ies:

No. 2268 UAB "KIWA Inspecta"

No. 1688 VGTU Statybos fakulteto Statybinių medžiagų instituto Termoizoliacinių medžiagų ir akustikos laboratorija

No. 1796 Gaisrinių tyrimų centras

6. Declared performance:

Essential characteristics	Performance and characteristics	
Thermal resistance R_D	d_N 40mm	$\geq 1.80 \text{ m}^2 \cdot \text{K/W}$
	d_N 50mm	$\geq 2.25 \text{ m}^2 \cdot \text{K/W}$
	d_N 60mm	$\geq 2.70 \text{ m}^2 \cdot \text{K/W}$
	d_N 80mm	$\geq 3.60 \text{ m}^2 \cdot \text{K/W}$
	d_N 100mm	$\geq 4.50 \text{ m}^2 \cdot \text{K/W}$
	d_N 120mm	$\geq 5.45 \text{ m}^2 \cdot \text{K/W}$
	d_N 140mm	$\geq 6.35 \text{ m}^2 \cdot \text{K/W}$
	d_N 150mm	$\geq 6.80 \text{ m}^2 \cdot \text{K/W}$
	d_N 160mm	$\geq 7.25 \text{ m}^2 \cdot \text{K/W}$
	d_N 180mm	$\geq 8.15 \text{ m}^2 \cdot \text{K/W}$
	d_N 200mm	$\geq 9.05 \text{ m}^2 \cdot \text{K/W}$

Essential characteristics	Performance and characteristics
Board dimensions	1100 x 2400 x d _N 1100 x 600 x d _N
Thermal conductivity, λ _D EN 12667	≤ 0.022 W/(m·K)
Compressive strength at 10% deformation CS(10)100 EN ISO 29469	d _N 40-160mm ≥ 150 kPa d _N > 160 mm ≥ 140 kPa
Tensile strength perpendicular to faces TR70 EN 1607	≥ 70 kPa
Long-term water absorption by immersion WL(T)1 EN ISO 16535	≤ 1 %
Short-term water absorption by partial immersion WS(P)0,1 EN ISO 29767	≤ 0,1%
Water vapor resistance factor μ EN 12086	500
Dimensional stability under specified temperature and humidity DS(70,90)4 EN 1604	Level 4/4
Dimensional stability under specified temperature DS(-20,-)2 EN 1604	Level 2/2
Deformation under specific compressive load and temperature DLT(2)5 EN 1605	≤ 5 %
Reaction to fire EN 13501-1	D-s2, d0
Average density EN ISO 29470	36 ± 3 kg/m ³
Classes of dimensional tolerances	
Thickness tolerances T(2) EN ISO 29466	± 2 mm
Flatness tolerances W(5) EN ISO 29468	± 5 mm

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by
Sigita Bagdanovienė, Quality manager
Utena April 30th, 2025

