

DECLARATION OF PERFORMANCE No PB/CALDUR/2021

1. Unique identification code of the product type:

Expanded polystyrene balcony sill CALDUR PB

2. Intended use or uses:

Thermal insulation products for construction. Factory-made polystyrene (EPS) products.

3. Manufacturer: FORMANO Mateusz Biegajło, ul. Żurawia 11F, 21-500 Biała Podlaska; Production plant: ul. Topolowa 6F, 21-550 Terespol

4. System of assessment and verification of constancy of performance: System 3

5. Harmonised standard: PN-EN 13163+A1:2015-03

Notified body or bodies: Polskie Centrum Badań i Certyfikacji S.A. (The Polish Centre for Testing and Certification)

(Unit number: 1434)

6. Declared performance characteristics:

Key characteristics	Performance characteristics	Declared class/level/NPD	Harmonised technical specification
Thermal resistance	Thermal resistance and thermal conductivity Thickness	Table 1, below T2	PN-EN 13163+A1:2015-03
Reaction to fire	Reaction to fire	Euroclass E	PN-EN 13163+A1:2015-03 EN 13501-1:2018
Durability of reaction to fire as a function of heat, weather conditions, ageing/degradation	Sustainability characteristics	Euroclass E	PN-EN 13163+A1:2015-03
Durability of thermal resistance as a function of heat, weather conditions, ageing/degradation	Thermal resistance and thermal conductivity Durability of characteristics	Table 1, below NPD	PN-EN 13163+A1:2015-03 PN-EN 13163+A1:2015-03
Compressive strength	Compressive strength at 10 % strain	CS(10)700 (≥ 700 kPa)	PN-EN 13163+A1:2015-03
Tensile/bending strength	Bending strength	NPD	PN-EN 13163+A1:2015-03
	Tensile strength perpendicular to surface	NPD	PN-EN 13163+A1:2015-03

Durability of compressive strength as a function of ageing and degradation	Compressive creep	NPD	PN-EN 13163+A1:2015-03
	Resistance to freezing/thawing after water absorption with total prolonged immersion	NPD	PN-EN 13163+A1:2015-03
	Long-term reduction in thickness	NPD	PN-EN 13163+A1:2015-03
Water permeability	Water absorption during prolonged total immersion	WL(T)6	PN-EN 13163+A1:2015-03
	Water absorption at long-term diffusion	NPD	PN-EN 13163+A1:2015-03
Water vapour permeability	Water vapour permeability	NPD	PN-EN 13163+A1:2015-03
Impact sound insulation index (for flooring)	Dynamic rigidity	NPD	PN-EN 13163+A1:2015-03
	Thickness d_L	NPD	PN-EN 13163+A1:2015-03
	Compressibility	NPD	PN-EN 13163+A1:2015-03
Continuous glow combustion	Continuous glow combustion	-	PN-EN 13163+A1:2015-03
Release of hazardous substances into the internal environment	Release of hazardous substances	-	PN-EN 13163+A1:2015-03

*NPD – No Performance Determined. Not specified in the declaration of performance.

Table 1 Thermal values for individual thickness:

Thickness in tolerance class T2 [mm]	Thermal conductivity coefficient λ_D [W/mK]	Thermal resistance R_D [m ² K/W]
40	≤ 0.034	≥ 1.18
50	≤ 0.034	≥ 1.48
60	≤ 0.034	≥ 1.77
80	≤ 0.034	≥ 2.36
100	≤ 0.034	≥ 2.95
120	≤ 0.034	≥ 3.53
140	≤ 0.034	≥ 4.12
160	≤ 0.034	≥ 4.71
180	≤ 0.034	≥ 5.30
200	≤ 0.034	≥ 5.89

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

Signed on behalf of the manufacturer:

Biała Podlaska
20.09.2021

Katerze Beggy So