FORMANO

CE

DECLARATION OF PERFORMANCE No PL/XPS700/2021

1. Unique identification code of the product type:
XPS PRIME S 70 EN extruded polystyrene window moulding

2. Intended use or uses:
Thermal insulation products for construction. Factory-made extruded polystyrene (XPS) 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, Reaction to fire – System 4

5. Harmonised standard: EN 13164:2012+A1:2015
Notified body or bodies:
Institute of Construction Technology (NB 1488)
Universität Stuttgart für die Materialprüfungsanstalt Universität Stuttgart (NB 0672)
Forschungsinstitut für Wärmeschutz e. V. München FIW München (NB 0751) RISE Research Institutes of Sweden AB (NB 0402)

6. Declared performance characteristics:

Key characteristics	Performance characteristics		Harmonised technical specification
Thermal resistance	Thermal resistance and thermal conductivity	Table 1, below	EN 13164:2012+A1:2015
	Thickness		
Reaction to fire	Reaction to fire class	Euroclass F	EN 13164:2012+A1:2015
Durability of reaction to fire as a function of heat, weather conditions, ageing and degradation	Sustainability characteristics	Does not change	EN 13164:2012+A1:2015
Durability of thermal resistance as a function of heat, weather conditions, ageing and degradation	Thermal resistance and thermal conductivity	Table 1, below	EN 13164:2012+A1:2015
	Sustainability characteristics	DS(70.90) DLT(2)5 (≤5%)	EN 13164:2012+A1:2015 EN 13164:2012+A1:2015
	Freeze-thaw resistance after the water absorption diffusion test	FTCD1	EN 13164:2012+A1:2015
	Freeze-thaw resistance after a long-term water absorption test by immersion	FTCI1	EN 13164:2012+A1:2015

Compressive strength	Compressive strength at 10 % strain	CS(10/Y)700 (≥700 kPa)	EN 13164:2012+A1:2015
Tensile strength	Tensile strength perpendicular to front surfaces	TR200 (≥200 kPa)	EN 13164:2012+A1:2015
Durability of compressive strength under ageing or degradation conditions	Compressive creep	CC(2/1.5/50)250	EN 13164:2012+A1:2015
Water permeability	Long-term water absorption through immersion	WL(T)0.7 (≤ 0.7%)	EN 13164:2012+A1:2015
	Water absorption at long-term diffusion	NDP	EN 13164:2012+A1:2015
Water vapour permeability	Water vapour diffusion resistance factor	NDP	EN 13164:2012+A1:2015
Release of hazardous substances into the internal environment	Release of hazardous substances	NPD	EN 13164:2012+A1:2015
Incineration under continuous glow conditions	Incineration under continuous glow conditions	NPD	EN 13164:2012+A1:2015

*NPD – No Performance Determined. We do not declare this characteristic.

Table 1 Thermal values for individual thickness:

Thickness in tolerance class T1 [mm]	Thermal conductivity coefficient λ_D [W/mK]	Thermal resistance R_D [m^2K/W]
40	≤ 0.033	≥ 1.20
50	≤ 0.033	≥ 1.50
60	≤ 0.034	≥ 1.75
80	≤ 0.034	≥ 2.35
100	≤ 0.034	≥ 2.90

The key product characteristics are consistent with the manufacturer's declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer:

Biała Podlaska
20.09.2021