DECLARATION OF PERFORMANCE
XPS700/07/2022

1.	Unique product type identification code:	HOCH XPS 700
2.	Intended use:	Extruded polystyrene board intended for thermal insulation in the construction industry.
3.	Manufacturer:	HOCH Systemy Kominowe Sp. z o.o. Sp.k. ul. Jana Pawła II 56, 83-422 Nowy Barkoczyn, Poland
4.	System of assessment and verification of performance constancy:	Systems 3 and 4 (for reaction to fire class)
5.	Harmonised standard:	EN 13164: 2012 + A1: 2015
6.	Notified body:	1434

DECLARED PERFORMANCE CHARACTERISTICS

Essential characteristics		Symbol / Unit	Performance characteristics
Thermal resistance and thermal conductivity	Thermal conductivity coefficient	λ_D [W/mK]	Table 1.
	Thermal resistance	R_D [m²K/W]	Table 1.
	Thickness	d_N [mm]	Table 1.
Reaction to fire	Fire reaction class	Euroclass	F
Durability of reaction to fire as a function of heat, weathering, ageing and degradation	Durability characteristics	Euroclass	F — does not change over time
Durability of thermal resistance as a function of heat, weather conditions of ageing and degradation	Thermal resistance and heat conduction coefficient	λ_D [W/mK] R_D [m²K/W]	Table 1.
	Durability characteristics	DS(TH) [%]	NPD
		DLT(2)5 [%]	NPD
	Freeze resistance — defrosting after water absorbability test with long lasting diffusion	FTCD [%]	NPD
	Resistance to freezing — defrosting after testing long lasting water absorption by immersion	FTCI [%]	NPD
Compressive strength	Compressive strength at 10% strain	CS(10/Y) [kPa]	≥ 700
Tensile strength	Perpendicular tensile strength applied from face surfaces	TR [kPa]	NPD
Durability of compressive strength under ageing or degradation conditions	Creep at compression	CC [kPa]	NPD
Water permeability	Water absorbability when submerged for a long time	WL(T) [%]	≤ 0.7
	Water absorbability at long-term diffusion	WD(V) [%]	NPD
Water vapour permeability	Diffusion resistance factor	MU	NPD
Release of hazardous substances into the internal environment	Release of hazardous substances	---	NPD
Continuous glow combustion	Continuous glow combustion	---	NPD

Table 1. The value of the heat conduction coefficient and thermal resistance for a given panel thickness.

Thickness (Class T1)	Declared heat conductivity coefficient λ_D	Declared thermal resistance R_D
50	≤ 0.034	1.45
80	≤ 0.034	2.35
100	≤ 0.036	2.75

The performance of the product defined above is in accordance with the set of declared performance. This Declaration of Performance is issued pursuant to the Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer referred to above.

Nowy Barkoczyn, 29/07/2022

Signed on behalf of the manufacturer by:

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