DECLARATION OF PERFORMANCE
XPS300/10/2020

Date of release: 21.10.2020

1.	Unique product type identification code:	HOCH XPS 300
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

Essential characteristics		Symbol / Unit	Performance characteristics
Thermal resistance and thermal conductivity	Heat conductivity coefficient	λ_D [W/mK]	Table 2
	Thermal resistance	R_D [m²K/W]	Table 2
	Thickness	d_N [mm]	Table 2
Reaction to fire	Fire reaction class	Euroclass	F
Durability of reaction to fire as a function of heat, weathering, ageing and degradation	Durability characteristics	---	Does not change
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 2
	Durability characteristics	DS(TH) [%]	≤ (70,90) 5
		DLT(2)5 [%]	NPD
	Freeze resistance – defrosting after water absorption test with diffusion of FTCD NPD	FTCD	NPD
	Resistance to freezing – defrosting after long term water absorption test by dipping FTCI NPD	FTCI	NPD
Compressive strength	Compressive strength at 10% strain	CS(10/Y) [kPa]	≥ 300
Tensile strength	Tensile strength perpendicular to face surfaces	TR [kPa]	NPD
Compressive strength under ageing or degradation	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

* NPD – performance not determined

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
30	≤ 0,032	0,90
40		1,25
50		1,55
60	≤ 0,034	1,75
80		2,35
100		2,90
120	≤ 0,036	3,30
150		4,15

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, 21 October 2020

Signed on behalf of the manufacturer by:

Prezes Zarządu
Maciej Buczek