

DECLARATION OF PERFORMANCE

NR 4/2024/XPS

1. Unique identification code of the product-type:

swissporXPS 300 GE-F / swissporXPS 300 GE/SF-F / XPS-EN 13164-T1-FTCD1-DS(70,90)-DLT(2)5-CS(10\Y)200-TR200-WD(V)3-MU80

2. Intended use/es:

Thermal Insulation for Buildings

3. Manufacturer:

SWISSPOR Polska Sp. z o.o. ul. Krocymiech 2, 32-500 Chrzanów

4. System or systems of assessment and verification of constancy of performance:

System 3, system 4 in terms of reaction to fire

5. Harmonised standard:

EN 13164: 2012+A1:2015

Notified body/ies:

FIW München, numer identyfikacyjny 0751

6. Declared performance

Table 1.

Essential characteristic:	Performance	Class / level NPD ¹⁾	Harmonized technical specification
Thermal resistance	Thermal resistance and thermal conductivity	R _D see Table 2. λ _D see Table 2	<i>EN 13164: 2012+A1:2015</i>
	Thickness, d _N	T1, d _N - see Table 2	
Reaction to fire	Reaction to fire	F	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristics ²⁾	F	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal resistance and thermal conductivity	R _D see Table 2 λ _D see Table 2	
	Durability characteristics	DS(70,90) DLT(2)5	
	Freeze - thaw resistance after long term water diffusion test	FTCD1	
	Freeze - thaw resistance after long term water absorption by total immersion	NPD	
Compressive strength	Compressive strength at 10% of deformation		
		CS(10\Y)200	

Tensile / flexural strength	Tensile strength perpendicular to faces	TR200	
Durability of compressive strength against ageing/degradation	Compressive creep	NPD	
Water permeability	Long term water absorption by total immersion	NPD	
	Long term water absorption by diffusion	WD(V)3	
Water vaporur permeability	Water vaporur transmission	MU80	
Release of dangerous substances to the indoor environment	Release of dangerous substances ³⁾	NPD	
Continuous glowing combustion	Continuous glowing combustion ³⁾	NPD	

¹⁾ NPD – Performance Not Determined;
²⁾ The fire performance of XPS deos not deteriorate with time:
³⁾ European test methods are under development.

Table 2.

Thickness [mm]	90	100	110	120	130	140	150	160	170	180	190	200
Thermal conductivity [W/(m·K)]	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035
Thermal resistance [m ² ·K/W]	2,70	2,85	3,10	3,40	3,70	4,00	4,25	4,55	4,85	5,10	5,40	5,70

Thickness [mm]	210	220	230	240	250	260	270	280	290	300
Thermal conductivity [W/(m·K)]	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035
Thermal resistance [m ² ·K/W]	6,00	6,25	6,55	6,85	7,10	7,40	7,70	8,00	8,25	8,55

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:

National Technical Advisor : Edyta Sauć

Pelplin 08.04.2024

Sauć Edyta
SWISSPOR Polska Sp. z o.o.
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 Krajowy Doradca Techniczny
 Edyta Sauć

www.swisspor.pl