swisspor Polska Sp. z o.o.

DECLARATION OF PERFORMANCE
NR 2/2024/XPS

1. Unique identification code of the product-type:

swissporXPS 300 GE / swissporXPS 300 GE/SF / 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. Kroczymiech 2, 32-500 Chrzanów

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

System 3

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 / lavel NPD [1)]**	**Harmonized technical specification**
Thermal resistance	Thermal resistance and thermal conductivity	R_D see Table 2. λ_D see Table 2	***EN 13164: 2012+A1:2015***
	Thickness, d_N	T1, d_N - see Table 2	
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristics [2)]	E	
Durability of thermal resistance againts 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 Long term water absorption by diffusion	NPD 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]		**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**	**130**
Thermal conductivity [W/(m·K)]		0,033	0,033	0,033	0,033	0,035	0,035	0,035	0,035	0,035	0,035	0,035
Thermal resistance [m2·K/W]		0,90	1,20	1,50	1,80	2,00	2,25	2,70	2,85	3,10	3,40	3,70

Thickness [mm]	**140**	**150**	**160**	**170**	**180**	**190**	**200**	**210**	**220**	**230**	**240**	**250**
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 [m2·K/W]	4,00	4,25	4,55	4,85	5,10	5,40	5,70	6,00	6,25	6,55	6,85	7,10

Thickness [mm]	**260**	**270**	**280**	**290**	**300**
Thermal conductivity [W/(m·K)]	0,035	0,035	0,035	0,035	0,035
Thermal resistance [m2·K/W]	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 Saućć

Pelplin 08.04.2024

Saud Edyta
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