SYNTHOS XPS PRIME S 30 IR TB

Extruded polystyrene board

Declaration of Performance
no. SD/PS30RTB/2025/02
Date of compilation: 2025-10-15

1. **Unique identification code of the product-type:**
   Synthos XPS PRIME S 30 IR TB

2. **Intended use/es:**
   Thermal insulation for buildings

3. **Manufacturer:**
   Synthos Dwory 7 spółka z ograniczoną odpowiedzialnością
   ul. Chemików 1
   32-600 Oświęcim
   POLAND

4. **System/s of AVCP:**
   System 3, in case reaction to fire – system 4

5. **Harmonised standard:** EN 13164:2012+A1:2015
   Notified body/ies:
   Universität Stuttgart für die Materialprüfungsanstalt Universität Stuttgart (NB 0672)
   Forschungsinstitut für Wärmeschutz e. V. München FIW München (NB 0751)

6. **Declared performance/s** - Table no.1

Essential characteristics	Performance		Harmonized technical specification
Thermal resistance	Thermal resistance and thermal conductivity	Table no. 2, below	EN 13164:2012+A1:2015
	Thickness		
Reaction to fire	Euroclass characteristic	Euroclass F	EN 13164:2012+A1:2015
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	No change	EN 13164:2012+A1:2015
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	Table no. 2, below	EN 13164:2012+A1:2015
	Durability characteristics	**DS(70,90)**	EN 13164:2012+A1:2015
		DLT(2)5	EN 13164:2012+A1:2015
	Freeze-thaw resistance after long term water diffusion test	**FTCD3**	EN 13164:2012+A1:2015

	Freeze-thaw resistance after long term water absorption by total immersion	NPD	EN 13164:2012+A1:2015
Compressive strength	Compressive strength at 10% of deformation	**CS(10/Y)300**	EN 13164:2012+A1:2015
Tensile/flexural strength	Tensile strength perpendicular to faces	**TR200**	EN 13164:2012+A1:2015
Durability of compressive strength against ageing/ degradation	Compressive creep	**CC(2/1,5/50)130**	EN 13164:2012+A1:2015
Water permeability	Long term water absorption by total immersion	**WL(T)1,5**	EN 13164:2012+A1:2015
	Long term water absorption by diffusion	**WD(V)1**	EN 13164:2012+A1:2015
Water vapour permeability	Water vapour transmission	NPD	EN 13164:2012+A1:2015
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	EN 13164:2012+A1:2015
Glowing combustion	Continuous glowing combustion	NPD	EN 13164:2012+A1:2015

Table no. 2. Heat values for particular thickness

Thickness d_N in the class of tolerance T1 [mm]	Coefficient of thermal conductivity λ_D [W/mK]	Thermal resistance R_D [m^2K/W]
140	0,034	4,15
150	0,034	4,45
160	0,034	4,75
170	0,034	5,00
180	0,034	5,30
190	0,034	5,60
200	0,034	5,90
210	0,034	6,20
220	0,034	6,50
230	0,034	6,80
240	0,034	7,10
250	0,034	7,40
260	0,034	7,65
270	0,034	7,95
280	0,034	8,25
290	0,034	8,55
300	0,034	8,85

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:

Chairman of the Board

Adam Klimczok

Oświęcim, 2025-10-15

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