

1. Unique identification code of the product-type: RAVATHERM XPS 300 ST	
40 mm	XPS - EN13164 - T1 - CS(10\Y)300 - CC(2/1,5/50)130 - DS(70,90) - DLT(2)5 - WD(V)3 - WL(T)0,7 - FTCD1
50 mm - 60 mm	XPS - EN13164 - T1 - CS(10\Y)300 - CC(2/1,5/50)130 - DS(70,90) - DLT(2)5 - WD(V)2 - WL(T)0,7 - FTCD1
80 mm - 120 mm	XPS - EN13164 - T1 - CS(10\Y)300 - CC(2/1,5/50)130 - DS(70,90) - DLT(2)5 - WD(V)1 - WL(T)0,7 - FTCD1
2. Intended use/es:	Thermal Insulation for Buildings (ThIB)
3. Manufacturer:	Ravago Building Solutions S.A. 2146 Luxembourg, 76-78 Rue de Merl
4. Authorized representative:	-
5. System/s of AVCP:	3. System
6a. Harmonised standard: Notified body/ies:	EN 13164:2012+A1:2015 FIW (0751) ÉMI (1415) OFI (1085)

7. Declared performance/s:		
Essential characteristic	Symbol	Performance
Thermal conductivity		
40 – 80 mm	λ_d	0,033 (W/mK)
100 – 120 mm	λ_d	0,034 (W/mK)
Thermal resistance	R_d	*
Dimensional tolerances	T	T1
Compressive strength	CS(10\Y)	300 (kPa)
Tensile strength perpendicular to faces	TR	NPD
Reaction to fire	RtF	E
Continuous glowing combustion		NPD
Long term water absorption by total immersion	WL(T)	0,7 ($\leq 0,7$ Vol.%)
Long term water absorption by diffusion	40 mm	3 (≤ 3 Vol.%)
	50 – 60 mm	2 (≤ 2 Vol.%)
	80 – 120 mm	1 (≤ 1 Vol.%)
Water vapor diffusion resistance factor	MU	NPD
Durability of compressive strength against (compressive creep)	CC (2/1,5/50)	130 (kPa)
Durability of reaction to fire against heat, weathering, ageing/degradation	No change in reaction to fire properties for extruded polystyrene foam	
Durability of thermal resistance against heat, weathering, ageing/degradation		
Thermal resistance and thermal conductivity	see above R_d and λ_d	
Freeze/thaw resistance after long term water absorption by diffusion	FTCD	1 (≤ 1 Vol.%)
Freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD
Dimensional stability under specified temperature and humidity conditions	DS	(70,90)
Deformation under specified compressive load and temperature conditions	DLT	(2) 5
Release of dangerous substances to the indoor environment		NPD

* Thermal resistance (R _d)	R _d (m ² K/W)	Thermal resistance (R _d)	R _d (m ² K/W)	Thermal resistance (R _d)	R _d (m ² K/W)
40 mm	1,20	60 mm	1,80	100 mm	2,95
50 mm	1,50	80 mm	2,40	120 mm	3,55

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:

Place and date of issue:

Sign:

Patrick Cabuy, Business Director

2146 Luxembourg, 2024.01.02.



NPD – No Performance Determined