

1. Unique identification code of the product-type: RAVATHERM XPS X 500 SL	
30 mm ≤ d ≤ 40 mm	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1,5/50)180 - DS(70,90) - DLT(2)5 - WD(V)3 - WL(T)0,7 - FTCD1
50 mm ≤ d ≤ 60 mm	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1,5/50)180 - DS(70,90) - DLT(2)5 - WD(V)2 - WL(T)0,7 - FTCD1
80mm	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1,5/50)180 - DS(70,90) - DLT(2)5 - WD(V)1 - WL(T)0,7 - FTCD1
100 mm ≤ d	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1,5/50)180 - DS(70,90) - DLT(2)5 - WD(V)1 - WL(T)0,7 - FTCD1 – TR200
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:	System 3
6a. Harmonised standard:	EN 13164:2012+A1:2015
Notified body/ies:	FIW (0751) - LNE (0071) - CSTB (0679) - ÉMI (1415) -OFI (1085)

7. Declared performance/s:		
Essential characteristic	Symbol	Performance
Thermal conductivity		
	λ_d	0,031
Thermal resistance	R_d	*
Dimensional tolerances	T	T1
Compressive strength	CS(10\Y)	500
Tensile strength perpendicular to faces	30 – 80 mm	TR
	100 – 240 mm	
Reaction to fire	RtF	E
Continuous glowing combustion		NPD
Long term water absorption by total immersion	WL(T)	0,7
Long term water absorption by diffusion	30 – 40 mm	WD(V)
	50 – 60 mm	
	80 – 240 mm	
Water vapor diffusion resistance factor	MU	NPD
Durability of compressive strength against (compressive creep)	CC (2/1,5/50)	180
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
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)

Thickness	R_d (m ² K/W)	Thickness	R_d (m ² K/W)	Thickness	R_d (m ² K/W)
40 mm	1,25	100 mm	3,20	180 mm	5,80
50 mm	1,60	120 mm	3,85	200 mm	6,45
60 mm	1,90	140 mm	4,50	220 mm	7,05
80 mm	2,55	160 mm	5,15	240 mm	7,70

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:

Patrick Cabuy, Business Director

Place and date of issue:

2146 Luxembourg, 2024.01.02.

Signature



NPD – No Performance Determined

Ravatherm XPS X 500 SL DoP Version 1 20240102

Note: DoP in other languages can be obtained under: www.dop.ravatherm.com

