

<b>1. Unique identification code of the product-type:</b> <b>RAVATHERM XPS 500 SL</b> 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 40 mm < d < 80 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 80 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	
2. Intended use/es:	Thermal Insulation for Buildings (ThiB)
3. Manufacturer:	<b>Ravago Building Solutions S.A.</b> 2146Luxembourg, 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	$\lambda_d$	0,034 (W/mK)
100 – 200 mm	$\lambda_d$	0,035 (W/mK)
Thermal resistance	$R_d$	*
Dimensional tolerances	T	T1
Compressive strength	CS(10\Y)	500 (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 (≤ 0,7 Vol.%)
Long term water absorption by diffusion	40 mm	3 (≤ 3 Vol.%)
	50 – 60 mm	2 (≤ 2 Vol.%)
	80 – 200 mm	1 (≤ 1 Vol.%)
Water vapor diffusion resistance factor	MU	NPD
Durability of compressive strength against (compressive creep)	CC (2/1,5/50)	180 (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 $\lambda_d$	
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 <sub>d</sub> )	R <sub>d</sub> (m <sup>2</sup> K/W)	Thermal resistance (R <sub>d</sub> )	R <sub>d</sub> (m <sup>2</sup> K/W)	Thermal resistance (R <sub>d</sub> )	R <sub>d</sub> (m <sup>2</sup> K/W)
40 mm	1,15	100 mm	2,85	160 mm	4,55
50 mm	1,45	120 mm	3,40	180 mm	5,10
60 mm	1,75	140 mm	4,00	200 mm	5,70
80 mm	2,35	150 mm	4,25		

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, 2021.01.25.



NPD – No Performance Determined