



DECLARATION OF PERFORMANCE

N° 00700130

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| 1. Unique identification code of the product-type: | RAVATHERM™ XPS X 500 SL |
| 2. Type, batch or serial number: | 00114602 Thickness 50 mm
Lot N° 9910K33011 |
| 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreshen by the manufacturer: | Thermal Insulation for Buildings (ThIB)
XPS/EN13164:2012+A1:2015 |
| 4. Name and contact address of the manufacturer | Ravago Building Solutions SA
76, Rue de Merl
L-2146 Luxembourg |
| 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: | AVCP - System 3 |
| 7. Name and identification number of notified body | FIW (N° 751); CSTB (N° 679) |
| 9. Declared Performance - Essential characteristic - (EN13164-ZA1) | |

d_N Thickness	[mm] ⇒	0	1	2	3	4	5	6	7	8	9
[mm] ↓	declared thermal conductivity λ_D [W/m.K]	Thermal resistance R_D [m ² .K/W]									
40	0,031	1,30	1,30	1,35	1,35	1,40	1,45	1,45	1,50	1,50	1,55
50	0,031	1,60	1,60	1,65	1,70	1,70	1,75	1,80	1,80	1,85	1,90
60	0,032	1,85	1,90	1,90	1,95	2,00	2,00	2,05	2,05	2,10	2,15
70	0,032	2,20	2,20	2,25	2,25	2,30	2,30	2,35	2,40	2,40	2,45
80	0,032	2,50	2,50	2,55	2,55	2,60	2,65	2,65	2,70	2,75	2,75
90	0,032	2,80	2,80	2,85	2,90	2,90	2,95	3,00	3,00	3,05	3,05
100	0,032	3,10	3,15	3,15	3,20	3,25	3,25	3,30	3,30	3,35	3,40
110	0,032	3,45	3,45	3,50	3,50	3,55	3,55	3,60	3,65	3,65	3,70
120	0,032	3,75	3,75	3,80	3,80	3,85	3,90	3,90	3,95	4,00	4,00
130	0,032	4,05	4,05	4,10	4,15	4,15	4,20	4,25	4,25	4,30	4,30
140	0,032	4,35	4,40	4,40	4,45	4,50	4,50	4,55	4,55	4,60	4,65
150	0,032	4,70	4,70	4,75	4,75	4,80	4,80	4,85	4,90	4,90	4,95
160	0,032	5,00	5,00	5,05	5,05	5,10	5,15	5,15	5,20	5,25	5,25
170	0,032	5,30	5,30	5,35	5,40	5,40	5,45	5,50	5,50	5,55	5,55
180	0,032	5,60	5,65	5,65	5,70	5,75	5,75	5,80	5,80	5,85	5,90
190	0,032	5,95	5,95	6,00	6,00	6,05	6,05	6,10	6,15	6,15	6,20
200	0,032	6,25	6,25	6,30	6,30	6,35	6,40	6,40	6,45	6,50	6,50
210	0,032										
220	0,032										
230	0,032										
240	0,032										
250	0,032										
260	0,032										

270	0,032									
280	0,032									
290	0,032									
300	0,032									
310	0,032									

9. Declared Performance - Essential characteristic - (EN13164-ZA1)

Dimensional tolerances		T	1
Compressive strength		CS(10\Y)	500
Tensile strength perpendicular to faces		TR	NPD
Shear strength		SS	NPD
Reaction to fire		Euro-Class	E
Continuous glowing combustion		-	-
Water permeability	Long term water absorption by total immersion	WL(T)	0,7
	Long term water absorption by diffusion	WD(V)	2
Water vapor permeability	Water vapor diffusion resistance factor	MU	NPD
Durability of compressive strength against ageing/degradation	Compressive creep	CC (2/1,5/50)	150
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 R₀ 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
Dangerous substances	Release of dangerous substances to the indoor environment	-	-

«NPD» (No Performance Determined)

10. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of conformity is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by

Patrick Cabuy

Business director XPS

L-Luxembourg



Date of issue: **17th September 2019**

Print Date: **4th November 2020**

Numbering according to CPR (Regulation EU No 305/2011) Annex III - only relevant items are listed.