DECLARATION OF PERFORMANCE

N° 00700144

1. Unique identification code of the product-type: **RAVATHERM™ XPS X SHAPE BL**
2. Type, batch or serial number: **00115507 Thickness 50 mm Lot N° 9910K33011**
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foressen 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]									
30	0,03	1,00	1,00	1,05	1,10	1,10	1,15	1,20	1,20	1,25	1,30
40	0,03	1,35	1,35	1,40	1,40	1,45	1,50	1,50	1,55	1,60	1,60
50	0,03	**1,65**	1,70	1,70	1,75	1,80	1,80	1,85	1,90	1,90	1,95
60	0,031	1,95	1,95	2,00	2,00	2,05	2,05	2,10	2,15	2,15	2,20
70	0,031	2,25	2,25	2,30	2,35	2,35	2,40	2,45	2,45	2,50	2,50
80	0,031	2,60	2,60	2,60	2,65	2,70	2,70	2,75	2,80	2,80	2,85
90	0,031	2,90	2,90	2,95	3,00	3,00	3,05	3,05	3,10	3,15	3,15
100	0,031	3,20	3,25	3,25	3,30	3,35	3,35	3,40	3,45	3,45	3,50
110	0,031	3,55	3,55	3,60	3,60	3,65	3,70	3,70	3,75	3,80	3,80
120	0,031	3,85	3,90	3,90	3,95	4,00	4,00	4,05	4,05	4,10	4,15
130	0,031	4,20	4,20	4,25	4,25	4,30	4,35	4,35	4,40	4,45	4,45
140	0,031	4,50	4,50	4,55	4,60	4,60	4,65	4,70	4,70	4,75	4,80
150	0,031	4,85	4,85	4,90	4,90	4,95	5,00	5,00	5,05	5,05	5,10
160	0,031	5,15	5,15	5,20	5,25	5,25	5,30	5,35	5,35	5,40	5,45
170	0,031	5,50	5,50	5,50	5,55	5,60	5,60	5,65	5,70	5,70	5,75
180	0,031	5,80	5,80	5,85	5,90	5,90	5,95	6,00	6,00	6,05	6,05
190	0,031	6,15	6,15	6,15	6,20	6,25	6,25	6,30	6,35	6,35	6,40
200	0,031	6,45	6,45	6,50	6,50	6,55	6,60	6,60	6,65	6,70	6,70
210	0,031										
220	0,031										
230	0,031										
240	0,031										
250	0,031										

260	0,031										
270	0,031										
280	0,031										
290	0,031										
300	0,031										

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

Dimensional tolerances		**T**	**1**
Compressive strength		**CS(10\Y)**	**200**
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)**	**NPD**
	Long term water absorption by diffusion	**WD(V)**	**NPD**
Water vapor permeability	Water vapor diffusion resistance factor	**MU**	**NPD**
Durability of compressive strength against ageing/degradation	Compressive creep	**CC (2/1,5/50)**	**NPD**
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**	**NPD**
	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**	**NPD**
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: **1st January 2020** Print Date: **12nd October 2021**

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