

# DECLARATION OF PERFORMANCE



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| 1. Unique identification code of the product-type:   | <b>RAVATHERM XPS 300 STG</b>   |
| 2. Intended use of the construction product as foreseen by the manufacturer:               | Thermal Insulation for Buildings (ThIB)  |
| 3. Name and contact address of the manufacturer:   | RAVATHERM Hungary Kft.<br>8184 Balatonfűzfő, Almádi út 4.  |
| 4. System or systems of assessment and verification of constancy of:                       | AVCP - System 3  |
| 5. Harmonized technical specification:<br>Name and identification number of notified body: | XPS/EN13164 – 2012<br>FIW (0751)/L1-14-017D<br>ÉMI (1415)/M1-7188N-02653/M1-7188N-02608<br>Essential characteristic (EN 13164 - ZA1) |
| 6. Declared Performance:   |  |

Essential characteristic	Symbol	Performance
Thermal conductivity		
40 – 60 mm	$\lambda_d$	0,033 W/mK
80 – 120 mm	$\lambda_d$	0,035 W/mK
Thermal resistance	$R_d$	*
Dimensional tolerances	T	T1
Compressive strength	CS(10\Y)	300
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
Long term water absorption by diffusion	WD(V)	3
Water vapor diffusion resistance factor	MU	50
Durability of compressive strength against (compressive creep)	CC (2/1,5/50)	130
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	40-100 mm 120 mm	FTCD 1 2
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

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

* Thermal resistance ( $R_d$ )	$R_d$ m <sup>2</sup> K/W	Thermal resistance ( $R_d$ )	$R_d$ m <sup>2</sup> K/W	Thermal resistance ( $R_d$ )	$R_d$ m <sup>2</sup> K/W
40 mm	1,20	60 mm	1,80	100 mm	2,85
50 mm	1,50	80 mm	2,25	120 mm	3,40

Signed for and on behalf of the manufacturer by

Gerendi Gábor  
TS&D Manager

Balatonfűzfő, 10. October 2016.

NPD - No Performance Determined