

Sikatherm[®] XPS 300 RZ

DECLARATION OF PERFORMANCE No. 87186444

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	87186444
2	INTENDED USE/S	EN 13164:2012+A1:2015 Thermal insulation products made of extruded polystyrene
3	MANUFACTURER:	Sika Hellas ABEE 15 Protomagias Str. GR 145 68 Kryoneri Athens - Greece www.sika.gr
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 3
6a	HARMONISED STANDARD:	EN 13164:2012+A1:2015
	Notified body/ies:	0407

7 DECLARED PERFORMANCE/S

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
Thermal conductivity: Thickness 30 mm Thickness 40-60 mm Thickness 70,80 &100 mm	λ_d [W/m K] 0,032 0,033 0,034	System 3	EN13164:2012+A1:2015
Dimensional Stability	T=1	System 3	
Compressive strength: Thickness 30 mm Thickness 40-50 mm Thickness 60-80 mm Thickness 100 mm	CS(10/Y)[kPa] 200 250 300 300	System 3	
Tensile strength perpendicular to faces σ_{mt}	TR [kPa] = 400	System 3	
Resistance to fire	Class E	System 3	
Water permeability (Long term water absorption by total immersion) Thickness 30 mm Thickness 40-50 mm Thickness 60-80 mm Thickness 100 mm	WL(T) [vol%] 0,7 0,7 0,7 1,5	System 3	
Water permeability (Long term water absorption by diffusion)	WL(T) [vol%] = 3	System 3	
Water vapor transmission/ Water vapor diffusion resistance factor) Thickness 30 mm Thickness 40-50 mm Thickness 60-80 mm Thickness 100 mm	MU 50 100 100 150	System 3	
Durability of reaction to fire against heat, weathering, ageing/ degradation	No change	System 3	
Durability of thermal resistance against heat, weathering, ageing/ degradation. Dimensional stability under specified temperature and humidity conditions	DS (70,90) ($\leq 5\%$)	System 3	
Dangerous substances	Release of Dangerous substances in indoor Environment	System 3	

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Therm. Resistivity Rd - m2K/W	Therm. cond. λ d - [W/m K]	Thickness (mm)	System 3
0,943	0,032	30	
1,212	0,033	40	
1,515		50	
1,765		60	
2,059	0,034	70	
2,353		80	
2,941		100	
3,529		120	


8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION

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:

Name: Aggeliki Zacharopoulou
Function: QEHS Manager
At Athens on 18 July 2022

Name: Stamatis Antonakos
Function: TMM Roofing / Waterproofing
At Athens on 18 July 2022

End of information as required by Regulation (EU) No 305/2011

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EN 13164:2012+A1:2015
87186444
Sika Hellas ABEE, Athens, Greece
Notified Test Laboratory: 0407
Thermal insulation products made of extruded polystyrene

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Thermal conductivity:		λ_d [W/m K]	
Thickness 30 mm		0,032	
Thickness 40-60 mm		0,033	
Thickness 70,80 &100 mm		0,034	
Dimensional Stability		T=1	
Compressive strength:		CS(10/Y)[kPa]	
Thickness 30 mm		200	
Thickness 40-50 mm		250	
Thickness 60-80 mm		300	
Thickness 100 mm		300	
Tensile strength perpendicular to faces σ_{mt}		TR [kPa] = 400	
Resistance to fire		Class E	
Water permeability (Long term water absorption by total immersion)		WL(T) [vol%]	
Thickness 30 mm		0,7	
Thickness 40-50 mm		0,7	
Thickness 60-80 mm		0,7	
Thickness 100 mm		1,5	
Water permeability (Long term water absorption by diffusion)		WL(T) [vol%] = 3	
Water vapor transmission/ Water vapor diffusion resistance factor)		MU	
Thickness 30 mm		50	
Thickness 40-50 mm		100	
Thickness 60-80 mm		100	
Thickness 100 mm		150	
Durability of reaction to fire against heat, weathering, ageing/ degradation		No change	
Durability of thermal resistance against heat, weathering, ageing/ degradation. Dimensional stability under specified temperature and humidity conditions		DS (70,90) ($\leq 5\%$)	
Dangerous substances		Release of Dangerous substances in indoor Environment	
	Therm. Resistivity Rd - m2K/W	Therm. cond. λ_d - [W/m K]	Thickness (mm)
	0,943	0,032	30
	1,212	0,033	40
	1,515		50
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<http://dop.sika.com>

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ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sikas recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the products suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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