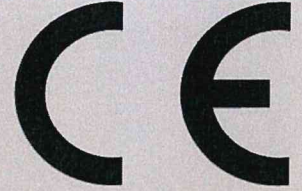




**MONOSI SYSKEVASIA S.A.**  
 EPS PRODUCTS MANUFACTURER  
 70th Km. N.R. ATHENS-LAMIA, 34100, AVLIDA, GREECE  
 Business Registration Number : 46148222000  
 T : 2262089840 , F : 2262089852 , E : info@monosieps.gr



## DECLARATION OF PERFORMANCE

No : N80/27.01.2025 - CPR (EU) 305/2011



Unique identification code of the product type : **R**THERMO® GRAPHITE PLUS EPS 80

**EPS-EN13163-T1-L2-W2-S2-P3-DS(N)2-DS(70,90)1-BS125-CS(10)80-TR200-SS60-GM1648-MU20-WL(T)2,5-WL(P)0,10**

External Thermal Insulation Applications For Buildings - Thermal Insulation Applications For Buildings

Manufacturer : **MONOSI-SYSKEVASIA S.A.**

System of AVCP : 3

Notified Laboratory : IMBiGS No 1454

The above designated product is produced in accordance with the standard :

**EN 13163:2012+A2:2016** "Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification" and fulfills the requirements for ETICS according to : **EAD 040083-00-0404** ( based on Confirmation **347633 THERM / DQS** ).

Essential characteristics		Performance									Standard
Thermal conductivity $\lambda_D$		0,030 W/mK									EN12667
Thermal resistance $R_D$	Thickness	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	110mm	
	$m^2k/W$	1,00	1,30	1,65	2,00	2,30	2,65	3,00	3,30	3,65	
	Thickness	120mm	130mm	140mm	150mm	160mm	170mm	180mm	190mm	200mm	
	$m^2k/W$	4,00	4,30	4,65	5,00	5,30	5,65	6,00	6,30	6,65	
Thickness tolerances ( $d$ )		±1mm									EN823
Length tolerances ( $l$ )		±2mm									EN822
Width tolerances ( $b$ )		±2mm									EN822
Squareness tolerances on length and width ( $S_b$ )		±2mm/m									EN824
Maximum deviation from Flatness ( $S_{max}$ )		3mm									EN825
Reaction to fire of the product as placed on the market		Euroclass E									EN13501-1
Durability of reaction to fire of the product as placed on the market against ageing/degradation		not changed with time									EN13163
Durability of thermal resistance and thermal conductivity against ageing/degradation		not changed with time									EN13163
Dimensional stability under constant normal laboratory conditions (23°C,50%R.H.),( $\Delta\epsilon_l / \Delta\epsilon_b$ )		±0,2%									EN1603
Dimensional stability under specified temperature and humidity conditions (48h,70°C,90%R.H.),( $\Delta\epsilon_l, \Delta\epsilon_b, \Delta\epsilon_d$ )		≤1%									EN1604
Bending strength ( $\sigma_b$ )		≥125 kPa									EN12089
Compressive stress at 10% deformation ( $\sigma_{10}$ )		≥80 kPa									EN826
Tensile strength perpendicular to faces ( $\sigma_{mt}$ )		≥200 kPa									EN1607
Short-term water absorption by partial immersion ( $W_{sp}$ )		<1 kg/m <sup>2</sup>									EN29767
Long-term water absorption by partial immersion ( $W_{lp}$ )		≤0,1 kg/m <sup>2</sup>									EN16535
Long-term water absorption by total immersion ( $W_{lt}$ )		≤2,5%									EN16535
Shear strength ( $\tau$ )		≥60 kPa									EN13163
Shear modulus ( $G$ )		≥1648 kPa									EN13163
Water vapour diffusion resistance factor ( $\mu$ )		20-40 (1)									EN13163
Water vapour permeability ( $\delta$ )		0,015-0,030 mg/(Pahm)									EN13163

EPS blocks intended to be used in an **ETICS** application are aged for at least **28** days before cut into boards.

The conformity of the product is verified by the appropriate technical documentation .

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

Member of AUSTROTHERM GROUP



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January 27, 2025

Date of issue

Ilias Stousidis  
 General Manager

Name / Position

Sign/Signature