



MONOSI SYSKEVASIA S.A.
 EPS PRODUCTS MANUFACTURER
 70th Km. N.R. ATHENS-LAMIA, 34100, AVLIDA, GREECE
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DECLARATION OF PERFORMANCE

No : W80/27.01.2025 - CPR (EU) 305/2011



Unique identification code of the product type : **airpop bianco 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 λ_D		0,036 W/mK									EN12667
Thermal resistance R_D	Thickness	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	110mm	
	m^2k/W	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	3,05	
	Thickness	120mm	130mm	140mm	150mm	160mm	170mm	180mm	190mm	200mm	
	m^2k/W	3,30	3,60	3,85	4,15	4,40	4,70	5,00	5,25	5,55	
Thickness tolerances (d)		$\pm 1mm$									EN823
Length tolerances (l)		$\pm 2mm$									EN822
Width tolerances (b)		$\pm 2mm$									EN822
Squareness tolerances on length and width (S_b)		$\pm 2mm/m$									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.),($\Delta\epsilon_1 / \Delta\epsilon_b$)		$\pm 0,2\%$									EN1603
Dimensional stability under specified temperature and humidity conditions (48h,70°C,90%R.H.),($\Delta\epsilon_1, \Delta\epsilon_b, \Delta\epsilon_d$)		$\leq 1\%$									EN1604
Bending strength (σ_b)		≥ 125 kPa									EN12089
Compressive stress at 10% deformation (σ_{10})		≥ 80 kPa									EN826
Tensile strength perpendicular to faces (σ_{mt})		≥ 200 kPa									EN1607
Short-term water absorption by partial immersion (W_{sp})		< 1 kg/m ²									EN29767
Long-term water absorption by partial immersion (W_{ip})		$\leq 0,1$ kg/m ²									EN16535
Long-term water absorption by total immersion (W_{it})		$\leq 2,5\%$									EN16535
Shear strength (τ)		≥ 60 kPa									EN13163
Shear modulus (G)		≥ 1648 kPa									EN13163
Water vapour diffusion resistance factor (μ)		20-40 (1)									EN13163
Water vapour permeability (δ)		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