



MONOSI SYSKEVASIA S.A.
 EPS PRODUCTS MANUFACTURER
 70th Km. N.R. ATHENS-LAMIA, 34100, AVLIDA, GREECE
 Business Registration Number : 46148222000
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DECLARATION OF PERFORMANCE

No : W50/27.01.2025 - CPR (EU) 305/2011



Unique identification code of the product type : **airpop bianco EPS 50**

EPS-EN13163-T1-L2-W2-S2-P3-DS(N)2-DS(70,90)1-BS75-CS(10)50-TR100-SS35-GM1021-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"
 (based on Confirmation **347633 THERM / DQS**) .

Essential characteristics		Performance									Standard
Thermal conductivity λ_D		0,038 W/mK									EN12667
Thermal resistance R_D	Thickness	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	110mm	
	m^2k/W	0,75	1,05	1,30	1,55	1,80	2,10	2,35	2,60	2,85	
	Thickness	120mm	130mm	140mm	150mm	160mm	170mm	180mm	190mm	200mm	
	m^2k/W	3,15	3,40	3,65	3,90	4,20	4,45	4,70	5,00	5,25	
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 (σ_b)		≥75 kPa									EN12089
Compressive stress at 10% deformation (σ_{10})		≥50 kPa									EN826
Tensile strength perpendicular to faces (σ_{mt})		≥100 kPa									EN1607
Long-term water absorption by partial immersion (W_{ip})		≤0,1 kg/m ²									EN16535
Long-term water absorption by total immersion (W_{it})		≤2,5%									EN16535
Shear strength (τ)		≥35 kPa									EN13163
Shear modulus (G)		≥1021 kPa									EN13163
Water vapour diffusion resistance factor (μ)		20-40 (1)									EN13163
Water vapour permeability (δ)		0,015-0,030 mg/(Pahm)									EN13163

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