



## DECLARATION OF PERFORMANCE

No : VW150/6.2.2023 - CPR (EU) 305/2011



Insulation board made of expanded polystyrene for use in : E.T.I.C.S.

### VITEX THERM EPS-150 WHITE



# airpop bianco 150



EPS-EN13163-T1-L2-W2-S2-P3-DS(N)2-DS(70,90)1-BS200-CS(10)150-TR200-SS100-GM2594-MU30-WL(T)1,5-WL(P)0,10

External 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 / 2022-12-24** ) .

Essential characteristics		Performance									Standard
Thermal conductivity $\lambda_D$		0,033 W/mK									EN12667
Thermal resistance $R_D$	Thickness	25mm	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	
	$m^2k/W$	0,75	0,90	1,20	1,50	1,80	2,10	2,40	2,70	3,00	
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.),( $\Delta\epsilon_1 / \Delta\epsilon_b$ )		±0,2%									EN1603
Dimensional stability under specified temperature and humidity conditions (48h,70°C,90%R.H.),( $\Delta\epsilon_1, \Delta\epsilon_b, \Delta\epsilon_d$ )		≤1%									EN1604
Bending strength ( $\sigma_b$ )		≥200 kPa									EN12089
Compressive stress at 10% deformation ( $\sigma_{10}$ )		≥150 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 ( $W_{ip}$ )		≤0,1 kg/m <sup>2</sup>									EN16535
Long-term water absorption by total immersion ( $W_{it}$ )		≤1,5%									EN16535
Shear strength ( $\tau$ )		≥100 kPa									EN13163
Shear modulus (G)		≥2594 kPa									EN13163
Water vapour diffusion resistance factor ( $\mu$ )		30-70 (1)									EN13163
Water vapour permeability ( $\delta$ )		0,009-0,020 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.

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February 6, 2023

Nikos Stousidis  
General Manager

Date of issue

Name / Position

Sign/Signature



### MONOSI SYSKEVASIA S.A.

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