

**DECLARATION OF PERFORMANCE**

No : VN100/6.2.2023 - CPR (EU) 305/2011



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

VITEX THERM EPS-100 GRAPHITE PLUS**R THERMO® GRAPHITE PLUS EPS 100****EPS-EN13163-T1-L2-W2-S2-P3-DS(N)2-DS(70,90)1-BS150-CS(10)100-TR200-SS75-GM2013-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 λ_D		0,030 W/mK									EN12667
Thermal resistance R_D	Thickness	25mm	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	
	m^2k/W	0,80	1,00	1,30	1,65	2,00	2,30	2,65	3,00	3,30	
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 (σ_b)		≥150 kPa									EN12089
Compressive stress at 10% deformation (σ_{10})		≥100 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_p)		≤0,1 kg/m ²									EN16535
Long-term water absorption by total immersion (W_{tP})		≤1,5%									EN16535
Shear strength (τ)		≥75 kPa									EN13163
Shear modulus (G)		≥2013 kPa									EN13163
Water vapour diffusion resistance factor (μ)		30-70 (1)									EN13163
Water vapour permeability (δ)		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.

MONOSI SYSKEVASIA S.A.
DISTINCTIVE TITLE: STYROSPAN S.A.
 EPS PRODUCTS MANUFACTURER
 70th km ATHENS-LAMIA, 34100 AVLIDA
 P.O. BOX 58, 32909 SCHIMATARI, GREECE
 VAT REGISTRATION NUMBER: EL094463983
 Tel: (+30) 22620 89840 - Fax: (+30) 22620 89852
 E-mail: info@monosisyskevasia.gr

February 6, 2023

Nikos Stousidis
General Manager

Date of issue

Name / Position

Sign/Signature



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

