



**DECLARATION OF
PERFORMANCE
No ES-401**



RAVAGO HELLAS S.M.S.A.

Ecostir XPS

1. Unique identification code of the product-type:																									
a) XPS-EN13164-T2-CS(10/Y)200-DS(TH)-WL(T)1,5-MU100-TR200																									
b) XPS-EN13164-T2-CS(10/Y)250-DS(TH)-WL(T)1,5-MU100-TR200																									
c) XPS-EN13164-T2-CS(10/Y)300-DS(TH)-WL(T)1,5-MU100-TR200																									
2. Type:																									
a) Ecostir 20mm etics gofre																									
b) Ecostir 30mm etics gofre																									
c) Ecostir 40mm-120mm etics gofre																									
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:																									
EN 13164:2012+A1:2015 - Thermal insulation for Buildings (ThiB)																									
4. Name and contact address of the manufacturer:																									
Ravago Hellas S.M.S.A																									
Neratziotissis 101, Marousi, 15124																									
5. System or systems of assessment and verification of constancy of performance of the construction product: AVCP - System 3																									
6. Name and identification number of notified body: GSH (No 0919) and P.C.B.C. (No 1434)																									
7. Declared performance - Essential characteristics EN 13164:2012+A1:2015																									
		Standard EN		Symbol								Performance													
Dimensional tolerances		EN 823		T								2													
Compressive strength		EN 826		CS(10/Y) [kPa]								a)200 b)250 c)300													
Tensile strength		EN 1607		TR [kPa]								200													
Reaction to fire		EN 13501-1		Euroclass								E													
Water permeability		Long term water absorption by total immersion		EN 12087		WL(T) [vol%]						1,5													
		Long term water absorption by diffusion		EN 12088		WD(V) [vol%]						NPD													
Water vapor transmission		Water vapor diffusion resistance factor		EN 12086		MU						100													
Durability of reaction to fire against heat, weathering, ageing/degradation		The reaction to fire performance of XPS does not change with time																							
Thermal resistance and thermal conductivity		see below R ₀ and λ ₀																							
Durability of thermal resistance against heat, weathering, ageing/degradation		Dimensional stability under specified temperature and humidity conditions		EN 1604		DS						(70,90) (≤5%)													
Thickness-d_N [mm]		20		30		40		50		60		70		80		100		120							
Thermal resistance-R₀ [(m²·K)/W]		EN 12667		0,60		0,90		1,20		1,50		1,75		2,05		2,35		2,95		3,55					
Thermal conductivity-λ₀ [W/(m·K)]		EN 12667		0,034																					

The performance of the product identified above is in accordance with the performance stated. This statement of performance shall be made in accordance with Regulation (EU) No. 305/2011, with the sole responsibility of the manufacturer identified above.

Name **Apostolos Giannoulis**
Function **Production Manager**
Place **Sevast-Greece**
Date **01/01/2022**

Signature