DECLARATION OF PERFORMANCE No ES-301

RAVAGO KATERINI SA

Ecostir xps

1. Unique identification code of the product-type:														
a) XPS-EN13164-T1-CS(10/Y)250-DS(TH)-WL(T)1,5-WD(V)3														
b) XPS-EN13164-T1-CS(10/Y)300-DS(TH)-WL(T)1,5-WD(V)3														
2. Type:														
a) Ecostir 30mm roofs														
b) Ecostir 40mm-120mm roofs														
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 Katerini SA														
Sevasti-Pieria-Greece 60100														
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: P.C.T.C. (No 1434)														
7. Declared performance - Essential characteristics EN 13164:2012+A1:2015				**Standard EN**			**Symbol**							**Performance**
Dimensional tolerances				EN 823			T							1
Compressive strength				EN 826			CS(10\Y) [kPa]							a)250 b)300
Tensile strength				EN 1607			TR [kPa]							NPD
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%]							3
Water vapor transmission		Water vapor diffusion resistance factor		EN 12086			MU							NPD
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_D and λ_D												
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]			**30**	**40**	**50**	**60**	**70**	**80**	**100**	**120**				
Thermal resistance-R_D [(m²·K)/W]	EN 12667		0,90	1,20	1,50	1,75	2,05	2,35	2,95	3,55				
Thermal conductivity-λ_D [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 **Sevasti-Greece**
Date **01/08/2020**

Signature