

# Declaration of Performance



**DoP Number:**

**GR-1023-004**

1 Unique identification code of the product-type:  
2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU:

**FIBRANxps 500 70-100**

XPS-EN 13164-T1-CS(10Y)500-DS(70,90)-WL(T)0,7-WD(V)3-FTCD1

3 Intended use/es:

Thermal insulation for buildings

4 Manufacturer:

FIBRAN S.A. 56010, Thessaloniki, Greece

5 Systems/s of AVCP:

AVCP - System 3

6 Harmonised standard:

EN 13164:2012+A1:2015

Notified bodies:

Notified Certification bodies FIW (Forschungsinstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt für das Bauwesen Hannover) N° 0764 performed, carried out the determination of the initial product type.

7 Declared performance:

Essential characteristics	Performance	Unit	Declared performance
Thermal Resistance	Thickness	$d_N$ [mm]	70 - 100
	Thickness Class	T	T1
	Thermal Resistance	$R_D$ [m² K/W]	see below table
	Thermal Conductivity	$\lambda_D$ [W/m K]	0,034
Reaction to fire	Reaction to fire	Euroclass	E
Release of Dangerous Substances	Release of Dangerous Substances		NPD
Acoustic absorption index	Sound absorption	AW	NPD
Continuous glowing combustion	Continuous glowing combustion		NPD
Water Permeability	Long term water absorption by total immersion	WL(T) [vol.%]	0,7
	Long term water absorption by diffusion	WD(V) [vol.%]	3
Water vapour permeability	Water vapor diffusion resistance factor	MU	NPD
Compressive strength	Compressive stress or compressive strength	CS(10/Y) [kPa]	500
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR [kPa]	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	Euroclass	E
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	$R_D$ [m² K/W]	see below table
	Thermal Conductivity	$\lambda_D$ [W/m K]	0,034
	Freeze-thaw resistance after long term water diffusion test	FTCD	1
	Freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)	<5%
	Deformation under specified compressive load and temperature conditions	DLT	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	CC (2/1,5/50)	NPD

Thickness	70	80	90	100	-	-
Thermal Resistance	2,05	2,35	2,60	2,90	-	-

8 Suitable technical justification and/or specific technical justification:

The performance of the product identified above is in conformity with the declared values. The declaration of these values is issued, according to EU Regulation 305/2011, under the sole responsibility of the manufacturer.

Name: Stella Chadiarakou  
 Function: Quality Assurance Manager  
 Place: Thessaloniki  
 Date: 14/04/2022  
 Signature:

This product does not contain Hexabromocyclodecane (declaration according to CPR requirement Article 6 Paragraph 5)