

# Declaration of Performance



## DoP Number:

GR-1023-003

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| 1 Unique identification code of the product-type:  | XPS-EN 13164-T1-CS(10/Y)500-DS(70,90)-WD(V)3 |
| 2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU:   | FIBRANxps 500 70-100                         |
| 3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:   | Thermal insulation for buildings             |
| 4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) of the regulation n° 305/2011/EU:   | FIBRAN S.A. 56010, Thessaloniki, Greece      |
| 5 Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of the regulation n° 305/2011/EU:  | Not applicable                               |
| 6 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of the Regulation n° 305/2011/EU:   | AVCP - System 3                              |
| 7 Notified Certification bodies FIW (Forschungsinstitut für Wärmeschutz e.v München) N° 0751 and TUV Hellas (Tuv Nord Group) N° 0654 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control. | Not applicable                               |

## 8 Declared performance according to harmonized standard:

EN 13164:2012+A1:2015

Essential characteristics	Performance	Unit	Declared performance
Thermal Resistance	Thickness	$d_N$ [mm]	70 - 100
	Thickness Class	T	T1
	Thermal Resistance	$R_D$ [m <sup>2</sup> 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.%]	NPD
	Long term water absorption by diffusion	WD(V) [vol.%]	3
Water vapour permeability	Water vapor diffusion resistance factor	MU	150
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	$R_D$ [m <sup>2</sup> K/W]	see below table
	Thermal Conductivity	$\lambda_D$ [W/m K]	0,034
	Freeze-thaw resistance after long term water diffusion test	FTCD	NPD
	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%
Durability of compressive strength against heat, weathering, ageing/degradation	Deformation under specified compressive load and temperature conditions	DLT	NPD
	Compressive creep	CC (2/1,5/50)	NPD

9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

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

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Name Stella Chadiarakou  
 Function Quality Assurance Manager  
 Place Thessaloniki  
 Date 20/05/2020  
 Signature

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