

Declaration of Performance



DoP Number:

GR-1017-004

1 Unique identification code of the product-type:

FIBRANxps FABRIC 50

2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU:

XPS-EN 13164-T3-CS(10/Y)250-DS(70,90)-TR400-WL(T)1,5-MU50

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]	50
	Thickness Class	T	T3
	Thermal Resistance	R_D [m² K/W]	1,50
	Thermal Conductivity	λ_D [W/m K]	0,033
Reaction to fire	Reaction to fire	Euroclass	E
Release of Dangerous Substances	Release of Dangerous Substances		NPD
Acoustic absorption index	Sound absorption	AW	NPD
Continous glowing combustion	Continous glowing combustion		NPD
Water Permeability	Long term water absorption by total immersion	WL(T) [vol.%]	1,5
	Long term water absorption by diffusion	WD(V) [vol.%]	NPD
Water vapour permeability	Water vapor diffusion resistance factor	MU	50
Compressive strength	Compressive stress or compressive strength	CS(10/Y) [kPa]	250
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR [kPa]	400
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]	1,50
	Thermal Conductivity	λ_D [W/m K]	0,033
	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%
	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

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 contains Hexabromocyclodecane (declaration according to CPR requirement Article 6 Paragraph 5)