

# Declaration of Performance



## DoP Number:

GR-2099-005

1 Unique identification code of the product-type:

FIBRANgeo BP-50-BIT

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

MW-EN 13162-T7-CS(10)50-TR15-PL(5)600-WS-WL(P)-SD33-CP2

3 Intended use/es:

Thermal Insulation of Building

4 Manufacturer:

FIBRAN S.A., Terpni, 62200, Serres, Greece

5 Systems/s of AVCP:

AVCP - System 1 - System 3

6 Harmonised standard:

EN 13162:2012+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 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 and issued the certificate of constancy of performance for reaction to fire.

7 Declared performance:

Essential characteristics	Performance	Abbreviation	Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	F
Release of dangerous substances	Release of dangerous substances			NPD
Acoustic absorption index	Sound absorption	AW	-	NPD
Impact noise transmission index	Dynamic stiffness	SD	MN/m <sup>3</sup>	33
	Thickness	d <sub>L</sub>	mm	T7
	Compressibility	CP	mm	2
	Air flow resistivity	AFr	kPa.s/m <sup>2</sup>	NPD
Direct airborne sound insulation index	Air flow resistivity	AFr	kPa.s/m <sup>2</sup>	NPD
Continuous glowing combustion	Continuous glowing combustion			NPD
Thermal resistance	Thermal resistance	R <sub>D</sub>	m <sup>2</sup> K/W	see table below
	Thermal conductivity	λ <sub>D</sub>	W/m K	0,037
	Thickness	d <sub>N</sub>	mm	40-160
	Thickness class	T	Class	T7
Water permeability	Short term water absorption	WS	kg/m <sup>2</sup>	<1
	Long term water absorption	WL(P)	kg/m <sup>2</sup>	<3
Water vapour permeability	Water vapour transmission	MU	-	NPD
		Z	m <sup>2</sup> hPa/mg	>50
Compressive strength	Compressive stress	CS(10)	kPa	50
	Point Load	PL(5)	N	600
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	F
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance	R <sub>D</sub>		see table below
	Thermal conductivity	λ <sub>D</sub>	W/m K	0,037
	Durability characteristics	DS (70,90)	%	NPD
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	15
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	CC(i <sub>1</sub> /i <sub>2</sub> /y) σ <sub>c</sub>	mm	NPD

NPD: No Performance Determined

Thickness	d <sub>N</sub> (mm)	40	50	60	70	80	90	100	110	120	130	140	150	160
Thermal resistance	R <sub>D</sub> (m <sup>2</sup> K/W)	1,05	1,35	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05	4,30

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: Dr. Chadiarakou Stella  
 Function: Quality Assurance Manager  
 Place: Thessaloniki  
 Date: 18/4/2022  
 Signature: