

# Declaration of Performance



## DoP Number:

GR-2230-005

1 Unique identification code of the product-type:

FIBRANgeo CORE BL-50c

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

MW-EN 13162-T5-WS-WL(P)-MU1

3 Intended use/es:

Thermal Insulation of Building

4 Manufacturer:

FIBRAN S.A., Terpmi, 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	A1
Release of dangerous substances	Release of dangerous substances			NPD
Acoustic absorption index	Sound absorption	AW	-	NPD
	Dynamic stiffness	SD	MN/m <sup>3</sup>	NPD
	Thickness	d <sub>L</sub>	mm	NPD
	Compressibility	CP	mm	NPD
	Air flow resistivity	AFr	kPa.s/m <sup>2</sup>	NPD
Impact noise transmission index				
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	R <sub>D</sub>	m <sup>2</sup> K/W	see table below
	Thermal conductivity	λ <sub>D</sub>	W/m K	0,035
	Thickness	d <sub>N</sub>	mm	20-300
	Thickness class	T	Class	T5
	Short term water absorption	WS	kg/m <sup>2</sup>	<1
	Long term water absorption	WL(P)	kg/m <sup>2</sup>	<3
Water permeability				
Water vapour permeability	Water vapour transmission	MU	-	1
		Z	m <sup>2</sup> hPa/mg	NPD
	Compressive stress	CS(10)	kPa	NPD
	Point Load	PL(5)	N	NPD
Compressive strength				
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
	Thermal resistance	R <sub>D</sub>		see table below
	Thermal conductivity	λ <sub>D</sub>	W/m K	0,035
	Durability characteristics	DS (70,90)	%	NPD
Durability of thermal resistance against heat, weathering, ageing/degradation				
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	NPD
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)	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance	R <sub>D</sub> (m <sup>2</sup> K/W)	0,55	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	3,10	3,40	3,70	4,00	4,25	4,55	5,10	5,70

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: