

# Declaration of Performance



## DoP Number:

GR-2235-003

1 Unique identification code of the product-type:

MW-EN 13162-T5-CS(10)50-TR15-WS-WL(P)-MU1

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

FIBRANgeo CORE BP-50

3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Thermal Insulation of Building (ThIB)

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. 56410, 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 1 - System 3

7 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.

0751-CPR-223.0-01

## 8 Declared performance according to harmonized standard:

EN 13162:2012+A1:2015

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
Impact noise transmission index	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
Direct airborne sound insulation index	Air flow resistivity	AFr	kPa.s/m <sup>2</sup>	NPD
Continous glowing combustion	Continous glowing combustion			NPD
Thermal resistance	Thermal resistance	R <sub>0</sub>	m <sup>2</sup> K/W	see below table
	Thermal conductivity	λ <sub>0</sub>	W/m K	0,037
	Thickness	d <sub>n</sub>	mm	30-300
	Thickness class	T	Class	T5
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	-	1
		Z	m <sup>2</sup> hPa/mg	NPD
Compressive strength	Compressive stress	CS(10)	kPa	50
	Point Load	PL(5)	N	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance	R <sub>0</sub>	m <sup>2</sup> K/W	see below table
	Thermal conductivity	λ <sub>0</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

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

Thickness	d <sub>n</sub> (mm)	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance	R <sub>0</sub> (m <sup>2</sup> K/W)	0,80	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	4,85	5,40

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

Name: Dr. Chadiarakou Stella  
 Function: Quality Assurance Manager  
 Place: Thessaloniki  
 Date: 6/7/2020  
 Signature: