## **Declaration of Performance**





DoP Number: GR-2230-003

1 Unique identification code of the product-type:

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

 $2\ \ Identification\ of\ the\ construction\ product\ as\ required\ under\ Article\ 11(4)\ of\ the\ regulation\ n^{\circ}\ 305/2011/EU:$ 

FIBRANgeo CORE BL-50c

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)

 $4\ Name, registered\ trade\ name\ or\ registered\ trade\ mark\ and\ contact\ address\ of\ the\ manufacturer\ as\ required\ under\ Article\ 11(5)\ of\ the\ regulation\ n^{\circ}$ 305/2011/EU:

FIBRAN S.A. 56410, Thessaloniki, Greece

 $5\ \ Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of the regulation <math>n^{\circ}$ 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 (Forschunginstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt fün das Bauwesen  $Hannover) \ N^{\circ} \ O764 \ performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the product$  $production\ control\ and\ the\ continuous\ surveillance,\ assessment\ and\ evaluation\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ constancy\ of\ certificate\ of\ constancy\ of\ certificate\ of\ constancy\ of\ certificate\ of$ performance for reaction to fire.

0751-CPR-223.0-01

## 8 Declared performance according to harmonized standard:

## EN 13162:2012+A1:2015

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	eclared performance	Unit	Abbreviation	Performance	Essential characteristics		
Acoustic absorption index    Dynamic stiffness   S.D.   MN/m³   Thickness   d.   mm   mm   mm   mm   mm   mm   mm	A1	Euroclass	RtF	Reaction to fire	Reaction to fire		
Dynamic stiffness   SD   MN/m³   Thickness   dt   mm   mm   mm   mm   mm   mm   mm	NPD			Realease of dangerous substances	Realease of dangerous substances		
Impact noise transmission index  Thickness Compressibility Air flow resistivity AFr AFr RPa.s/m²  Direct airborne sound insulation index  Air flow resistivity AFr RPa.s/m²  Continous glowing combustion  Continous glowing combustion  Thermal resistance Thermal conductivity Thickness Thickness Thickness Intinces Intinc	NPD	-	AW	Sound absorption	Acoustic absorption index		
Impact noise transmission index    Compressibility	NPD	MN/m³	SD	Dynamic stiffness			
Air flow resistivity AFr kPa.s/m²  Air flow resistivity AFr kPa.s/m²  Direct airborne sound insulation index Air flow resistivity AFr kPa.s/m²  Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  Thickness  Thickness  Thickness And Money  Thickness And Money  Thickness And Money  Thermal absorption  Water permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive strength  Compressive stress  CS(10)  RPa  Point Load  PL(5)  N  Durability of reaction to fire against heat, weathering, ageing/degradation  Thermal resistance  Reaction to fire  Refer  Euroclass  Thermal resistance  Refer  Euroclass  Thermal resistance  Refer  Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  Durability characteristics  Thermal conductivity  Durability characteristics  TR  RPA	NPD	mm	d <sub>L</sub>	Thickness	mpact noise transmission index		
Direct airborne sound insulation index  Air flow resistivity  Air flow resistivity  AFr  kPa.s/m²  Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  Thickness  Thickness class  Tickness c	NPD	mm	СР	Compressibility			
Continous glowing combustion  Continous glowing combustion  Thermal resistance Thermal resistance Thermal resistance Thermal resistance Thermal conductivity Thickness Thickness I T Class Thickness T Class Thickness T Class Thickness Class T Class Mater permeability  Water vapour permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive stress Compressive strength  Compressive stress Compressive stress Compressive stress Compressive stress Compressive stress Compressive stress Compressive strength  Compressive stress Compressi	NPD	kPa.s/m²	AFr	Air flow resistivity			
Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  Thickness  Thickness  Thickness dass  T Class  Short term water absorption  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive strength  Thermal resistance  Ro Water vapour transmission  Compressive strength  Thermal resistance  Reaction to fire  Reaction to fire against heat, weathering, ageing/degradation  Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  T	NPD	kPa.s/m²	AFr	Air flow resistivity	Direct airborne sound insulation index		
Thermal resistance	NPD			Continous glowing combustion	Continous glowing combustion		
Thickness   Thickn	see below table	m² K/W	R <sub>D</sub>	Thermal resistance			
Thickness dass T Class  Water permeability  Water vapour permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive stress  Cos(10)  Point Load  PL(5)  N  Durability of reaction to fire against heat, weathering, ageing/degradation  Durability of thermal resistance against heat, weathering, ageing/degradation  Thermal conductivity  Durability characteristics  Dirability characteristics  Tensile/Flexural strength  Tensile strength perpendicular to faces  TR  Reactians  T Class  T Class  T Class  T Class  T MU	0,033	W/m K	λ <sub>D</sub>	Thermal conductivity	Thermal resistance		
Water permeability  Short term water absorption  Ung term water absorption  Where water absorption  About a set of the water absorption and the water a	20-300	mm	d <sub>N</sub>	Thickness			
Water permeability     Long term water absorption     WL(P)     kg/m²       Water vapour permeability     Water vapour transmission     MU     -       Compressive strength     CS(10)     kPa       Point Load     PL(S)     N       Durability of reaction to fire against heat, weathering, ageing/degradation     Reaction to fire     RtF     Euroclass       Durability of thermal resistance against heat, weathering, ageing/degradation     Thermal resistance     Rp     m² K/W     see the see	T5	Class	T	Thickness class			
Long term water absorption     WL(P)     kg/m²       Water vapour permeability     MU     -       Compressive strength     CS(10)     kPa       Compressive strength     PL(5)     N       Durability of reaction to fire against heat, weathering, ageing/degradation     Reaction to fire     RtF     Euroclass       Durability of thermal resistance against heat, weathering, ageing/degradation     Thermal resistance     R <sub>D</sub> m² K/W     see the se	<1	kg/m²	WS	Short term water absorption			
Water vapour permeability       Water vapour transmission       Z       m2hPa/mg         Compressive stress       CS(10)       kPa         Point Load       PL(5)       N         Durability of reaction to fire against heat, weathering, ageing/degradation       Reaction to fire       RtF       Euroclass         Durability of thermal resistance against heat, weathering, ageing/degradation       Thermal resistance       R <sub>D</sub> m² K/W       see the m² K/W         Thermal conductivity       λ <sub>D</sub> W/m K         Durability characteristics       DS (70,90)       %         Tensile/Flexural strength       Tensile strength perpendicular to faces       TR       kPa	<3	kg/m²	WL(P)	Long term water absorption	Water permeability		
Z m2hPa/mg       Compressive strength     Compressive stress     CS(10)     kPa       Point Load     PL(5)     N       Durability of reaction to fire against heat, weathering, ageing/degradation     Reaction to fire     RtF     Euroclass       Durability of thermal resistance against heat, weathering, ageing/degradation     Thermal resistance     Rp     m² K/W     see the property of the property of the propendicular to faces       Tensile/Flexural strength     Tensile strength perpendicular to faces     TR     kPa	1	-	MU	Matana and an incident	Water vapour permeability		
	NPD	m2hPa/mg	Z	water vapour transmission			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NPD	kPa	CS(10)	Compressive stress	Compressive strength		
ageing/degradation Reaction to fire RtF Euroclass  Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rb Mym K Durability characteristics DS (70,90) %  Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	NPD	N	PL(5)	Point Load			
Durability of thermal resistance against heat, weathering, ageing/degradation	A1	Euroclass	RtF	Reaction to fire			
ageing/degradation $\frac{1}{D}$ Inermal conductivity $\frac{A_D}{D}$ W/m K $\frac{1}{D}$ Durability characteristics $\frac{1}{D}$ DS (70,90) $\frac{1}{D}$ Tensile/Flexural strength $\frac{1}{D}$ Tensile strength perpendicular to faces $\frac{1}{D}$ TR $\frac{1}{D}$ RPa	see below table	m² K/W	R <sub>D</sub>	Thermal resistance			
Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	0,033	W/m K	$\lambda_{D}$	Thermal conductivity			
	NPD	%	DS (70,90)	Durability characteristics			
Durch life, of a construction about the second section.	NPD	kPa	TR	Tensile strength perpendicular to faces	Tensile/Flexural strength		
Durability of compressive strength against heat, weathering, ageing/degradation  Compressive creep $CC(i_1/i_2/y) \sigma_c$ $CC(i_1/i_2/y) \sigma_c$ $CC(i_1/i_2/y) \sigma_c$ $CC(i_1/i_2/y) \sigma_c$	NPD	mm	CC(i <sub>1</sub> /i <sub>2</sub> /y) σ <sub>c</sub>	Compressive creep	Durability of compressive strength against heat, weathering, ageing/degradation		
NPD: No Performance Determined					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)	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)	0,60	0,90	1,20	1,50	1,80	2,10	2,40	2,70	3,00	3,30	3,60	3,90	4,20	4,50	4,80	5,45	6,05

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 6/7/2020 Date: Signature: