## **Declaration of Performance**





DoP Number: GR-2089-003

1 Unique identification code of the product-type:

MW-EN 13162-T7-CS(10)30-TR10-PL(5)400-WS-WL(P)-SD20-CP2

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

FIBRANgeo BP-30-AX

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

 $6\ \ System\ or\ systems\ of\ assessment\ and\ verification\ of\ constancy\ of\ performance\ of\ the\ construction\ product\ as\ set\ out\ in\ Annex\ V\ of\ the\ Regulation\ n^{\circ}$ 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

$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Essential characteristics	Performance	Abbreviation	Unit	Declared performance		
Acoustic absorption index    Sound absorption   AW   -	Reaction to fire	Reaction to fire	RtF	Euroclass	С		
Dynamic stiffness   SD   MN/m³   20	Realease of dangerous substances	Realease of dangerous substances			NPD		
Impact noise transmission index  Thickness  Compressibility  Air flow resistivity  Air flow resistivity  AFr  RPa.s/m²  NPD  Direct airborne sound insulation index  Air flow resistivity  Air flow resistivity  AFr  RPa.s/m²  NPD  Thermal resistance  Thermal resistance  Thermal conductivity  A <sub>D</sub> Thickness  A <sub>M</sub> Thickness  A <sub>M</sub> Thickness  A <sub>M</sub> Thickness  Thickness  Thickness  Thickness  Thickness  Thickness  Thermal conductivity  A <sub>D</sub> Thickness  Thermal resistance  Thermal conductivity  A <sub>D</sub> Thickness  Thick	Acoustic absorption index	Sound absorption	AW		NPD		
Impact noise transmission index    Compressibility		Dynamic stiffness	SD	MN/m³	20		
Air flow resistivity  AFr  RPa.s/m²  NPD  Direct airborne sound insulation index  Air flow resistivity  AFr  RPa.s/m²  NPD  Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal conductivity  Thermal conductivity  Thickness  Thickness dass  Thickness class  Thickness class  Thickness class  Thermal conductivity  Thickness class		Thickness	d <sub>L</sub>	mm	50		
Direct airborne sound insulation index  Air flow resistivity  AFr  RPa.s/m²  NPD  Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  Thermal conductivity  Thickness  Thickness class  T  Class  T7  Again  Again  Again  Again  Again  Again  Again  Again  Compressive stress  CS(10)  RPa  30  Compressive strength  Compressive stress  CS(10)  Campaility of reaction to fire against heat, weathering, against heat, weathering, against heat, weathering, against feat, weathering, Compressive strength perpendicular to faces  TR  RP  NPD  NPD  NPD  NPD  NPD  NPD  NPD	Impact noise transmission index	Compressibility	СР	mm	2		
Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  Thermal conductivity  Thickness  T		Air flow resistivity	AFr	kPa.s/m²	NPD		
Thermal resistance $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Direct airborne sound insulation index	Air flow resistivity	AFr	kPa.s/m²	NPD		
Thermal resistance $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Continous glowing combustion	Continous glowing combustion			NPD		
Thickness   d <sub>N</sub>   mm   30-300   Thickness   d <sub>N</sub>   mm   NPD   mm   NPD   mm   NPD   Thickness   d <sub>N</sub>   mm   NPD   mm   mm   NPD   mm   mm   NPD   mm   mm   NPD   mm   mm   mm   mm   NPD   mm   mm   mm   mm   mm   mm   mm		Thermal resistance	R <sub>D</sub>	m² K/W	see below table		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Thermal resistance	Thermal conductivity	λ <sub>D</sub>	W/m K	0,036		
Thickness class T Class T7  Short term water absorption WS kg/m² <1  Ung term water absorption WL(P) kg/m² <3  Water vapour permeability Water vapour transmission WIU - NPD T m2hPa/mg >10  Compressive strength  Compressive stress CS(10) kPa 30  Point Load Point Lo		Thickness	d <sub>N</sub>	mm	30-300		
Water vapour permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive stress  CS(10)  Reaction to fire against heat, weathering, ageing/degradation  Purability of thermal resistance against heat, weathering, ageing/degradation  Thermal conductivity  Durability of thermal strength  Tensile/Flexural strength  Long term water absorption  WL(P)  RMU		Thickness class	T	Class	T7		
Long term water absorption   WL(P)   kg/m²   <3		Short term water absorption	WS	kg/m²	<1		
Water vapour permeability     Water vapour transmission     Z     m2hPa/mg     >10       Compressive strength     Compressive stress     CS(10)     kPa     30       Point Load     PL(5)     N     400       Durability of reaction to fire against heat, weathering, ageing/degradation     Reaction to fire     RtF     Euroclass     C       Durability of thermal resistance against heat, weathering, ageing/degradation     Thermal resistance     R <sub>D</sub> m² K/W     see below tab       Thermal conductivity     λ <sub>D</sub> W/m K     0,036       Durability of compressive strength     Tensile strength perpendicular to faces     TR     kPa     10       Durability of compressive strength against heat, weathering,     Compressive creen     CC(i,i,i,v) G.     mm     NPD	Water permeability	Long term water absorption	WL(P)	kg/m²	<3		
Compressive strength  Compressive stress  CS(10)  Reaction to fire against heat, weathering, ageing/degradation  Purability of thermal resistance against heat, weathering, ageing/degradation  Reaction to fire	M	Wetersensensensensensensensensensensensensens	MU	-	NPD		
Compressive strength         Point Load       PL(5)       N       400         Durability of reaction to fire against heat, weathering, ageing/degradation       Reaction to fire       RtF       Euroclass       C         Durability of thermal resistance against heat, weathering, ageing/degradation       Thermal resistance       R <sub>D</sub> m² K/W       see below table thermal conductivity       λ <sub>D</sub> W/m K       0,036         Durability of compressive strength       Tensile strength perpendicular to faces       TR       kPa       10         Durability of compressive strength against heat, weathering,       Compressive creen       CC(i,i/s/M) G.       mm       NPD	water vapour permeability	water vapour transmission	Z	m2hPa/mg	>10		
Point Load PL(5) N 400  Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass C  Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity $\lambda_D$ W/m K 0,036 ageing/degradation Durability characteristics DS (70,90) % NPD  Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10  Durability of compressive strength against heat, weathering, Compressive creen CC(i,i) of the properties of the compressive creen CC(i,i) of the properties of the compressive creen the properties of the properties	Compressive strongth	Compressive stress	CS(10)	kPa	30		
ageing/degradation  Reaction to fire  REF  Euroclass  C  Durability of thermal resistance against heat, weathering, ageing/degradation  Thermal resistance  Thermal resistance  Thermal conductivity $\lambda_D$ Durability characteristics  DS (70,90)  Tensile/Flexural strength  Tensile strength perpendicular to faces  TR  REF  Euroclass  C  M/M K  0,036  NPD  Tensile/Flexural strength  Tensile strength perpendicular to faces  TR  RPA  NPD  NPD	Compressive strength	Point Load	PL(5)	N	400		
Durability of thermal resistance against heat, weathering, ageing/degradation  Thermal conductivity $\lambda_D$ W/m K  0,036  Durability characteristics  DS (70,90)  Tensile/Flexural strength  Tensile strength perpendicular to faces  TR  kPa  10  Durability of compressive strength against heat, weathering,  Compressive creen  Compressive creen  Compressive creen  Compressive creen		Reaction to fire	RtF	Euroclass	С		
ageing/degradation $\frac{A_D}{Durability}$ $\frac{A_D}{Du$	Down billion of the second assistance as a signature of the second secon	Thermal resistance	R <sub>D</sub>	m² K/W	see below table		
Tensile/Flexural strength  Tensile strength perpendicular to faces  TR  kPa  10  Durability of compressive strength against heat, weathering, Compressive creen  CC(i,/i-/v) g.  mm  NPD	,	Thermal conductivity	λ <sub>D</sub>	W/m K	0,036		
Durability of compressive strength against heat, weathering,	agenig/degradation	Durability characteristics	DS (70,90)	%	NPD		
(0)	Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	10		
		Compressive creep	CC(i <sub>1</sub> /i <sub>2</sub> /y) σ <sub>c</sub>	mm	NPD		
NPD: No Performance Determined	NPD: No Performance Determined	ı			1		

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>D</sub> (m <sup>2</sup> K/W)	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	3,05	3,30	3,60	3,85	4,15	4,40	5,00	5,55

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 20/3/2020 Date: Signature: