## **Declaration of Performance**

1 Unique identification code of the product-type:

manufacturer:





MW-EN 13162-T4-WS-WL(P)-MU1-AW1-AFr15

DoP Number: GR-2120-004

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

FIBRANgeo R-040

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

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., Terpni, 62200, Serres, 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

Reaction to fire RtF Euroclass Realease of dangerous substances Realease of dangerous substances Realease of dangerous substances Round absorption index    Dynamic stiffness   SD   MN/m³	Declared performance	Unit	Abbreviation	Performance	Essential characteristics
Acoustic absorption index       Sound absorption       AW       -         Impact noise transmission index       Dynamic stiffness       SD       MNI/m³       MIN/m³         Impact noise transmission index       Thickness       d₁       mm         Compressibility       CP       mm         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       Ro       m² K/W         Thermal resistance       Ro       m² K/W         Thickness       dh       mm         Thickness       dh       mm         Thickness class       T       Class         Thickness class       T       Class         Water permeability       WS       kg/m²         Water vapour permeability       Water vapour transmission       MU       -         Water vapour permeability       Water vapour transmission       Z       m2hPa/mg         Compressive strength       Compressive stress       CS(10)       kPa         Durability of reaction to fire against heat, weathering, ageing/degradation       Thermal conductivity	A1	Euroclass	RtF	Reaction to fire	Reaction to fire
Dynamic stiffness   SD   MN/m³   Tickness   dt   mm   CP   mm	NPD			Realease of dangerous substances	Realease of dangerous substances
Thickness   dt   mm   mm   mm   mm   mm   mm   mm	1	-	AW	Sound absorption	Acoustic absorption index
Impact noise transmission index    Compressibility	NPD	MN/m³	SD	Dynamic stiffness	Impact noise transmission index
Air flow resistivity Air flow resistivity Air flow resistivity AFr RPa.s/m²  Direct airborne sound insulation index Air flow resistivity AFr RPa.s/m²  A Fr RPa.s/m²  A Fr RPa.s/m²  A Mym K Abb Abb Abb Abb Abb Abb Abb Abb Abb Ab	NPD	mm	d <sub>L</sub>	Thickness	
Direct airborne sound insulation index  Air flow resistivity  AFr  kPa.s/m²  Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  Thickness  Thickness class  Thickness class  Thickness class  Thormal conductivity  Thickness  Thickness class  Thormal conductivity  Thickness  Thickness class  Thormal conductivity  Thickness  Thickness class  Thormal conductivity  Water permeability  Water wapour permeability  Water vapour permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive stress  CS(10)  kPa  Point Load  PL(5)  N  Durability of reaction to fire against heat, weathering, ageing/degradation  Thermal resistance  Thermal conductivity  Thermal condu	NPD	mm	СР	Compressibility	
Continous glowing combustion  Continous glowing combustion  Thermal resistance  Thermal resistance  Thermal resistance  Thermal conductivity  Thickness  T	15	kPa.s/m²	AFr	Air flow resistivity	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	15	kPa.s/m²	AFr	Air flow resistivity	Direct airborne sound insulation index
Thermal resistance $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	NPD			Continous glowing combustion	Continous glowing combustion
Thickness   Internal resistance   Thickness   Internal resistance   Thickness   Internal resistance   Internal	see below table	m² K/W	R <sub>D</sub>	Thermal resistance	Thermal resistance
Thickness day mm flickness class T Class  Water permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive strength  Durability of reaction to fire against heat, weathering, ageing/degradation  Thickness day mm mm flickness T Class  T Class  WS kg/m²  WUL(P) kg/m²  MU  Z m2hPa/mg  Compressive stress  CS(10) kPa  Point Load  PL(5) N  Thermal resistance against heat, weathering, ageing/degradation  Thermal resistance  Reaction to fire  RtF  Euroclass  Thermal resistance  R <sub>D</sub> m² K/W  Thermal conductivity  A <sub>D</sub> W/m K  Durability of haracteristics  DS (70,90)  %	0,035	W/m K	$\lambda_{D}$	Thermal conductivity	
Water permeability  Water vapour permeability  Water vapour permeability  Water vapour transmission  Compressive strength  Compressive stress  CS(10)  Point Load  Point Load  Pul(5)  N  Curability of reaction to fire against heat, weathering, ageing/degradation  Durability of thermal resistance against heat, weathering, ageing/degradation  Thermal conductivity  Durability characteristics  Short term water absorption  WS  kg/m²  MU  -  T  MU  -  T  MU  -  T  T  MD  Pa  TP  T  T  T  T  T  T  T  T  T  T  T  T	30-60	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       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       Ro       m² K/W         Thermal conductivity $\lambda_0$ W/m K         Durability characteristics       DS (70,90)       %	T4	Class	T	Thickness class	
Long term water absorption   WL(P)   kg/m²	<1	kg/m²	WS	Short term water absorption	Water permeability
Water vapour permeability     Water vapour transmission     Z     m2hPa/mg       Compressive strength     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       Thermal conductivity     λ <sub>D</sub> W/m K       Durability characteristics     DS (70,90)     %	<3	kg/m²	WL(P)	Long term water absorption	
Compressive strength  Compressive stress  CS(10)  kPa  Point Load  Point Load  PL(5)  N  Durability of reaction to fire against heat, weathering, ageing/degradation  Purability of thermal resistance against heat, weathering, ageing/degradation  Thermal conductivity  Durability of thermal resistance SRD  Thermal resis	1	-	MU	Water vapour transmission	Water vapour permeability
Compressive strength       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         Thermal conductivity       λ <sub>D</sub> W/m K         Durability characteristics       DS (70,90)       %	NPD	m2hPa/mg	Z		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NPD	kPa	CS(10)	Compressive stress	Compressive strength
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NPD	N	PL(5)	Point Load	
Durability of thermal resistance against heat, weathering, ageing/degradation	A1	Euroclass	RtF	Reaction to fire	
ageing/degradation	see below table	m² K/W	R <sub>D</sub>	Thermal resistance	,
Durability characteristics DS (70,90) %	0,035	W/m K	λ <sub>D</sub>	Thermal conductivity	
Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	NPD	%	DS (70,90)	Durability characteristics	
	NPD	kPa	TR	Tensile strength perpendicular to faces	Tensile/Flexural strength
Durability of compressive strength against heat, weathering, ageing/degradation $CC(i_1/i_2/y) \sigma_c$ mm	NPD	mm	CC(i <sub>1</sub> /i <sub>2</sub> /y) σ <sub>c</sub>	Compressive creep	
NPD: No Performance Determined				ı	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
Thermal resistance	R <sub>D</sub> (m <sup>2</sup> K/W)	0,85	1,10	1,40	1,70

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 1/3/2021 Date: Signature: