Declaration of Performance

DoP Number: **GR-2121-003**

1 Unique identification code of the product-type: **MW-EN 13162-T4-WS-WL(P)**

2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU: FIBRANgeo R-040-AL

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 (Forschunginstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt fün 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
Realease of dangerous substances	Realease of dangerous substances			NPD
Acoustic absorption index	Sound absorption	AW	-	NPD
Impact noise transmission index	Dynamic stiffness	SD	MN/m^3	NPD
	Thickness	d_L	mm	NPD
	Compressibility	CP	mm	NPD
	Air flow resistivity	AFr	$kPa.s/m^2$	NPD
Direct airborne sound insulation index	Air flow resistivity	AFr	$kPa.s/m^2$	NPD
Continous glowing combustion	Continous glowing combustion			NPD
Thermal resistance	Thermal resistance	R_D	m^2 K/W	see below table
	Thermal conductivity	λ_D	W/m K	0,035
	Thickness	d_N	mm	30-80
	Thickness class	T	Class	T4
Water permeability	Short term water absorption	WS	kg/m^2	<1
	Long term water absorption	WL(P)	kg/m^2	<3
Water vapour permeability	Water vapour transmission	MU	-	NPD
		Z	m2hPa/mg	>150
Compressive strength	Compressive stress	CS(10)	kPa	NPD
	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_D	m^2 K/W	see below table
	Thermal conductivity	λ_D	W/m K	0,035
	Durability characteristics	DS (70,90)	%	NPD
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	$CC(i_1/i_2/y)\ \sigma_c$	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_N (mm)	30	40	50	60	70	80
Thermal resistance	R_D (m^2 K/W)	0,85	1,10	1,40	1,70	2,00	2,25

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: 20/3/2020

Signature: