Declaration of Performance

DoP Number: **GR-2181-005**

1 Unique identification code of the product-type: **FIBRANgeo BP-80**

2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU: MW-EN 13162-T7-CS(10)80-TR20-PL(5)800-WS-WL(P)-MU1-CP2

3 Intended use/es: Thermal Insulation of Building

4 Manufacturer: FIBRAN S.A., Terpni, 62200, Serres, Greece

5 Systems/s of AVCP: AVCP - System 1 - System 3

6 Harmonised standard: EN 13162:2012+A1:2015

Notified bodies:

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.

7 Declared performance:

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	2
	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 table below
	Thermal conductivity	λ_D	W/m K	0,039
	Thickness	d_N	mm	50-200
	Thickness class	T	Class	T7
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	-	1
		Z	m2hPa/mg	NPD
Compressive strength	Compressive stress	CS(10)	kPa	80
	Point Load	PL(5)	N	800
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		see table below
	Thermal conductivity	λ_D	W/m K	0,039
	Durability characteristics	DS (70,90)	%	NPD
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	20
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				

Thickness	d_N (mm)	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance	R_D (m^2 K/W)	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30	3,55	3,80	4,10	4,60	5,10

8 Suitable technical justification and/or specific technical justification:
The performance of the product identified above is in conformity with the declared values. The declaration of these values is issued, according to EU Regulation 305/2011, under the sole responsibility of the manufacturer.

Name: Dr. Chadiarakou Stella
Function: Quality Assurance Manager
Place: Thessaloniki
Date: 18/4/2022
Signature: