Declaration of Performance

DoP Number	**GR-2120-002**
1 Unique identification code of the product-type	FIBRANgeo R-040
2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR	R-040
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 Buildings (ThIB)
4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5)	FIBRAN S.A. 56410, Thessaloniki, Greece
5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	not relevant
6 System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V.	AVCP - System 1
7 In case of the declaration of performance concerning a construction product covered by a harmonised standard (Name and identification number of the notified body, if relevant).	FIW No. 0751 (Forschunginstitut fur Warmeschutz e.v Munchen)

FIW No. 0751 (Forschunginstitut fur Warmeschutz e.v Munchen) performed under system (description of the third party tasks as set out in Annex V). and issued (certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant).

Harmonised standard EN 13162:2012 305/2011

8 Declared performance

Essential characteristics	Performance	Abreviation	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			1
Impact Noise Transmission Index	Dynamic stiffness	s'	MN/m³	NPD
	Thickness	d_L	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF_r	kPa.s/m²	15
Direct airborne sound insulation index	Air flow resistivity	AF_r	kPa.s/m²	15
Continous glowing combustion	Continous glowing combustion			NPD
Thermal Resistance	Thermal Resistance	R_D	m² K/W	see below table
	Thermal Conductivity	λ_D	W/m K	0,035
	Thickness	d_N	mm	30-60
	Thickness Class	T	Class	T4
Water Permeability	Short term Water absorption	W_p	kg/m²	<1
	Long term water absorption	W_{lp}	kg/m²	<3
Water vapour permeability	Water vapour transmission	μ		1
		Z	m2hPa/mg	NPD
Compressive strength	Compressive stress or compressive	CS	kPa	NPD
	Point Load	F_p	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	m² K/W	see below table
	Thermal Conductivity	λ	W/m K	0,035
	Durability Characteristics	d	mm	30-60
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Thickness	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
R (m^2 K/W)	0,55	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	3,10	3,40	3,70	4,00	4,25	4,55	5,10	5,70

Name	Stella Chadiarakou
Function	R&D - Quality Assurance Manager
Place	Thessaloniki
Date	15/4/2017
Signature