Declaration of Performance





DoP Number: GR-2087-003

1 Unique identification code of the product-type:

MW-EN 13162-T7-CS(10)30-TR10-PL(5)400-WS-WL(P)-MU1-SD20-CP2-AW0,95-AFr60

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

FIBRANgeo BP-30

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:

AVCP - System 1 - System 3

 $6\ \ System\ or\ systems\ of\ assessment\ and\ verification\ of\ constancy\ of\ performance\ of\ the\ construction\ product\ as\ set\ out\ in\ Annex\ V\ of\ the\ Regulation\ n^{\circ}$ 305/2011/EU: 7 Notified Certification bodies FIW (Forschunginstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt fün das Bauwesen

0751-CPR-223.0-01

Not applicable

 $Hannover) \ N^{\circ} \ O764 \ performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the initial inspection of the manufacturing plant and of factory and the product type in the product$ $production\ control\ and\ the\ continuous\ surveillance,\ assessment\ and\ evaluation\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ factory\ production\ control\ and\ issued\ the\ certificate\ of\ constancy\ of\ constancy\ of\ certificate\ of\ constancy\ of\ certificate\ of\ constancy\ of\ certificate\ of$ performance for reaction to fire.

8 Declared performance according to harmonized standard:

EN 13162:2012+A1:2015

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	al characteristics	Performance	Abbreviation	Unit	Declared performance		
Acoustic absorption index Dynamic stiffness SD MN/m² Thickness dt mm mm mm mm mm mm mm	n to fire	Reaction to fire	RtF	Euroclass	A1		
	se of dangerous substances	Realease of dangerous substances			NPD		
Impact noise transmission index Thickness Compressibility CP mm	ic absorption index	Sound absorption	AW	=	0,95		
Impact noise transmission index Compressibility		Dynamic stiffness	SD	MN/m³	20		
Air flow resistivity Air flow resistivity Air flow resistivity AFr kPa.s/m² Continous glowing combustion Continous glowing combustion Thermal resistance R _D W/m K Thickness T Class T Class Short term water absorption WS kg/m² Long term water absorption WL(P) Water vapour permeability Water vapour transmission T Compressive strength Compressive strength Point Load PL(S) N Durability of reaction to fire against heat, weathering, ageing/degradation Purability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Thermal resistance R _D T T REF T T REF T T T T T T T T T T T T T		Thickness	d _L	mm	50		
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	Impact noise transmission index	Compressibility	СР	mm	2		
Continous glowing combustion Continous glowing combustion Thermal resistance Thermal resistance Thermal resistance Thermal resistance Thickness Thickness Thickness Thickness Short term water absorption Long term water absorption Water vapour permeability Water vapour permeability Water vapour transmission Compressive strength Compressive strength Compressive strength Point Load Pufs) Reaction to fire against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Reaction to fire		Air flow resistivity	AFr	kPa.s/m²	60		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	airborne sound insulation index	Air flow resistivity	AFr	kPa.s/m²	60		
Thermal resistance $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ous glowing combustion	Continous glowing combustion			NPD		
Thickness dn dn mm Thickness class T Class Water permeability Water vapour permeability Water vapour transmission Compressive strength Compressive strength Durability of freaction to fire against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, ageing/degradation Thickness dn dn mm Thickness dn		Thermal resistance	R _D	m² K/W	see below table		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$.1	Thermal conductivity	λ _D	W/m K	0,036		
Short term water absorption WS kg/m² Long term water absorption WL(P) kg/m² Water vapour permeability Water vapour transmission MU - 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 _D m² K/W see Thermal conductivity λ _D W/m K Durability characteristics DS (70,90) %	i resistance	Thickness	d _N	mm	30-300		
Water permeability Long term water absorption WL(P) kg/m² MU - Water vapour permeability MU - </td <td></td> <td>Thickness class</td> <td></td> <td>Class</td> <td colspan="2">T7</td>		Thickness class		Class	T7		
Long term water absorption WL(P) kg/m² Water vapour permeability MU - Compressive strength CS(10) kPa Compressive strength 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 _D m² K/W see Thermal conductivity λ _D W/m K Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90) %		Short term water absorption	WS	kg/m²	<1		
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 _D m² K/W see Thermal conductivity λ _D W/m K Durability characteristics DS (70,90) %	permeability	Long term water absorption	WL(P)	kg/m²	<3		
		NA/	MU	-	1		
Compressive strength Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Reaction to fire Reaction to fire Reaction to fire Ref Euroclass Thermal resistance Reaction to fire Rescursory Rescursory Reaction to fire Rescursory Rescu	apour permeability	water vapour transmission	Z	m2hPa/mg	NPD		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Compressive stress	CS(10)	kPa	30		
ageing/degradation Reaction to fire REF Euroclass Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity h_D W/m K Durability characteristics DS (70,90) %	-	Point Load	PL(5)	N	400		
Durability of thermal resistance against heat, weathering, ageing/degradation		Reaction to fire	RtF	Euroclass	A1		
ageing/degradation	5 100 60 1 1 1	Thermal resistance	R _D	m² K/W	see below table		
Durability characteristics DS (70,90) %		Thermal conductivity	λ _D	W/m K	0,036		
Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	ruegradation	Durability characteristics	DS (70,90)	%	NPD		
	/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	10		
Durability of compressive strength against heat, weathering, ageing/degradation $ CC(i_1/i_2/y) \sigma_c $		Compressive creep	CC(i ₁ /i ₂ /y) σ _c	mm	NPD		
NPD: No Performance Determined	o Performance Determined				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 _N (mm)	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance	$R_D (m^2 K/W)$	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: