Declaration of Performance





DoP Number: GR-2135-004

1 Unique identification code of the product-type:

MW-EN 13162-T4-WS-WL(P)-MU1-AW1-AFr50

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

FIBRANgeo B-070-YA

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., 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 Reaction to fire Rtf Realease of dangerous substances Realease of dangerous substances Acoustic absorption index Sound absorption AW Dynamic stiffness SD Thickness dt Impact noise transmission index Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Thermal resistance Ro Thermal resistance Ro Thermal conductivity \(\lambda_0\) Thickness dN Thickness dN Thickness class T Short term water absorption WS Water vapour permeability Water water absorption WL(P) Water vapour permeability Water vapour transmission Z Compressive strength Compressive stress CS(10) Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Thermal resistance Ro Thermal conductivity \(\lambda_0\) \(\lambda_0\) Thermal conductivity <th>Euroclass </th> <th>A1</th>	Euroclass	A1
Acoustic absorption index Dynamic stiffness SD	MN/m³ mm mm kPa.s/m² kPa.s/m²	1 NPD NPD 2 50 50
Dynamic stiffness SD	MN/m³ mm mm kPa.s/m² kPa.s/m²	NPD NPD 2 50 50 NPD
Impact noise transmission index Thickness dL Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Thermal resistance Thermal resistance Thermal conductivity \(\lambda_{\text{D}} \) Thickness \(\lambda_{\text{N}} \) Thermal conductivity Wull Water vapour transmission Tompressive stress CS(10) Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Thermal resistance Thermal conductivity \[\lambda_{\text{N}} \]	mm mm kPa.s/m² kPa.s/m²	NPD 2 50 50 NPD
Impact noise transmission index Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Thermal resistance R _D Thermal resistance R _D Thickness d _N Thickness class T Short term water absorption WS Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, Thermal conductivity Abstraction to fire	mm kPa.s/m² kPa.s/m² m² K/W	2 50 50 NPD
Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Thermal resistance Thermal resistance Thermal conductivity Thickness Thickness Thickness Thickness Thickness To short term water absorption Water vapour permeability Water vapour permeability Water vapour transmission Compressive strength Compressive stress Compressiv	kPa.s/m² kPa.s/m² m² K/W	50 50 NPD
Direct airborne sound insulation index Air flow resistivity Continous glowing combustion Thermal resistance Thermal resistance Thermal conductivity Thickness Thickness class Thickness class Tothickness class Toth	kPa.s/m² m² K/W	50 NPD
Continous glowing combustion Thermal resistance $\begin{array}{c} R_D \\ Thermal resistance \\ Thermal conductivity \\ Thickness \\ Thickness \\ Thickness \\ Thickness class \\ Thickness clas$	m² K/W	NPD
Thermal resistance		
Thermal resistance		see below table
Thickness day Thickness class T Short term water absorption WS Water permeability Under vapour permeability Water vapour transmission T Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Plant Point	14// 1/	
$\frac{\text{Thickness}}{\text{Thickness class}} \qquad \frac{d_N}{T}$ $\text{Water permeability} \qquad \frac{\text{Short term water absorption}}{\text{Long term water absorption}} \qquad \frac{\text{WL}(P)}{D}$ $\text{Water vapour permeability} \qquad \frac{\text{MU}}{Z}$ $\text{Compressive strength} \qquad \frac{\text{Compressive stress}}{D} \qquad \frac{\text{CS}(10)}{D}$ $\text{Durability of reaction to fire against heat, weathering, ageing/degradation} \qquad \frac{\text{Reaction to fire}}{D} \qquad \frac{\text{RetF}}{D}$ $\text{Thermal resistance} \qquad \frac{R_D}{D}$	W/m K	0,034
Water permeability Short term water absorption Long term water absorption WL(P) Water vapour permeability Water vapour transmission Z Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Thermal resistance Ro Thermal conductivity Asserting the properties of the properties	mm	30-300
Water permeability Water vapour permeability Water vapour transmission Compressive strength Compressive stress Compressiv	Class	T4
	kg/m²	<1
Water vapour permeability Water vapour transmission Z Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, Thermal conductivity Thermal conductivity As	kg/m²	<3
Compressive strength Compressive stress CS(10) Point Load Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity About the strength of the	-	1
Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Reaction to fire Reaction to fire Reaction to fire Thermal resistance RD Thermal conductivity About the strength of the strength	m2hPa/mg	NPD
Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Purability of thermal resistance against heat, weathering, Thermal conductivity Thermal conductivity Associated to the property of the proper	kPa	NPD
ageing/degradation Reaction to fire Reaction to fire Reaction to fire Thermal resistance Reaction to fire	N	NPD
Durability of thermal resistance against heat, weathering, Thermal conductivity	Euroclass	A1
I hermal conductivity	m² K/W	see below table
	W/m K	0,034
Durability characteristics DS (70,90)		NPD
Tensile/Flexural strength Tensile strength perpendicular to faces TR	%	NPD
Durability of compressive strength against heat, weathering, ageing/degradation Compressive creep $CC(i_1/i_2/y) \sigma$	·	
NPD: No Performance Determined	%	NPD

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)	0,85	1,15	1,45	1,75	2,05	2,35	2,60	2,90	3,20	3,50	3,80	4,10	4,40	4,70	5,25	5,85

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: