Declaration of Performance





DoP Number: GR-2235-003

1 Unique identification code of the product-type:

MW-EN 13162-T5-CS(10)50-TR15-WS-WL(P)-MU1

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

FIBRANgeo CORE BP-50

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

 $5\ Name \ and \ contact \ address \ of \ the \ authorised \ representative \ whose \ mandate \ covers \ the \ tasks \ specified \ in \ Article \ 12(2) \ of \ the \ regulation \ n^{\circ}$ 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 Euroclass Realease of dangerous substances Realease of dangerous substances ————————————————————————————————————	Declared performance	Unit	Abbreviation	Performance	Essential characteristics		
Acoustic absorption index Sound absorption AW - Dynamic stiffness SD MM/m² Thickness dt mm Compressibility CP mm Air flow resistivity AFr kPa.s/m² Direct airborne sound insulation index Air flow resistivity AFr kPa.s/m² Continous glowing combustion Continous glowing combustion Thermal resistance R _D m² K/W Thermal resistance R _D m² K/W M/m K Thickness dn mm mm Thickness dn mm mm Thickness class T Class Water permeability W5 kg/m² Water wapour permeability W6 W5 kg/m² Water vapour permeability Water vapour transmission MU - Compressive strength Compressive stress CS(10) kPa Compressive strength Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation	A1	Euroclass	RtF	Reaction to fire	Reaction to fire		
Dynamic stiffness SD MN/m²	NPD			Realease of dangerous substances	Realease of dangerous substances		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	NPD	-	AW	Sound absorption	Acoustic absorption index		
	NPD	MN/m³	SD	Dynamic stiffness			
Air flow resistivity AFr kPa.s/m² 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 Thickness Thickness Thickness Thickness Thickness Thickness Thickness dass Thicknes	NPD	mm	d _L	Thickness			
Direct airborne sound insulation index Air flow resistivity AFr kPa.s/m² Continous glowing combustion Continous glowing combustion Thermal resistance R _D m² K/W Thermal resistance R _D m² K/W Thermal conductivity λ _D W/m K Thickness d _N mm Thickness T Class 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 Compressive strength PL(S) 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 Thermal resistance Thermal conductivity R _D m² K/W	NPD	mm	СР	Compressibility	mpact noise transmission index		
Continous glowing combustion Thermal resistance Thermal conductivity λ_D $M/M K$ Thermal conductivity λ_D $M/M K$ Thickness $M/M M$ $M/M M$ Thickness $M/M M$ $M/M M$ Water permeability $M/M M$ Water vapour permeability $M/M M$ Compressive strength $M/M M$ Compressive strength $M/M M$ Durability of reaction to fire against heat, weathering, ageing/degradation $M/M M$ Durability of thermal resistance against heat, weathering, are included against heat, weathering, are included and conductivity $M/M M$ Thermal resistance $M/M M$ Reaction to fire $M/M M$ Thermal resistance $M/M M$ Reaction to fire $M/M M$ Thermal resistance $M/M M$ Thermal conductivity $M/M M$	NPD	kPa.s/m²	AFr	Air flow resistivity			
Thermal resistance	NPD	kPa.s/m²	AFr	Air flow resistivity	Direct airborne sound insulation index		
Thermal conductivity λ_D W/m K Thickness d_N mm Thickness d_N mm Thickness d_N Thickness d_N mm Thickness class d_N mm Thickness class d_N Thickness d_N Thic	NPD			Continous glowing combustion	Continous glowing combustion		
	see below table	m² K/W	R _D	Thermal resistance			
$\frac{\text{Thickness}}{\text{Thickness class}} \qquad \frac{d_{\text{N}}}{\text{T}} \qquad \frac{\text{mm}}{\text{Class}}$ $\frac{\text{Thickness class}}{\text{Thickness class}} \qquad \frac{\text{T}}{\text{C}} \qquad \frac{\text{Class}}{\text{Class}}$ $\frac{\text{Short term water absorption}}{\text{Long term water absorption}} \qquad \frac{\text{WS}}{\text{WS}} \qquad \frac{\text{kg/m}^2}{\text{kg/m}^2}$ $\frac{\text{MU}}{\text{Z}} \qquad $	0,037	W/m K	λ_{D}	Thermal conductivity	Thermal resistance		
	30-300	mm	d _N	Thickness			
	T5	Class		Thickness class			
	<1	kg/m²	WS	Short term water absorption			
Water vapour permeability Water vapour transmission Z m2hPa/mg Compressive stress 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 Thermal conductivity \(\lambda_D\) W/m K	<3	kg/m²	WL(P)	Long term water absorption	Water permeability		
	1	-	MU		Water vaneur nermeability		
Compressive strength Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation Purability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Reaction to fire RtF Euroclass Thermal resistance RD m² K/W Thermal conductivity \[\lambda_D W/m K \]	NPD	m2hPa/mg	Z	water vapour transmission	Water vapour permeability		
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 Thermal conductivity λ _D W/m K	50	kPa	CS(10)	Compressive stress	Consequencial statements		
ageing/degradation Reaction to Tire RETE Euroclass Durability of thermal resistance against heat, weathering, are introduced by the male conductivity λ_D	NPD	N	PL(5)	Point Load	Compressive strength		
Durability of thermal resistance against heat, weathering, Thermal conductivity λ _D W/m K	A1	Euroclass	RtF	Reaction to fire			
ageing (degradation Inermal conductivity A _D W/m K	see below table	m² K/W	R _D	Thermal resistance			
Durability characteristics DS (70,90) %	0,037	W/m K	λ _D	Thermal conductivity			
	NPD	%	DS (70,90)	Durability characteristics			
Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	15	kPa	TR	Tensile strength perpendicular to faces	Tensile/Flexural strength		
Durability of compressive strength against heat, weathering, ageing/degradation $CC(i_1/i_2/y) \sigma_c$ mm	NPD	mm	CC(i ₁ /i ₂ /y) σ _c	Compressive creep			
NPD: No Performance Determined				•	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	90	100	110	120	130	140	150	160	180	200
Thermal resistance	$R_D (m^2 K/W)$	0,80	1,05	1,35	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05	4,30	4,85	5,40

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 6/7/2020 Date: Signature: