Declaration of Performance





DoP Number: GR-2061-004

1 Unique identification code of the product-type:

MW-EN 13162-T6-WS-WL(P)-MU1-SD10-CP3-AW0,95-AFr60

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

FIBRANgeo B-051

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 Euroclass Realease of dangerous substances Realease of dangerous substances AW - Acoustic absorption index Sound absorption AW - Impact noise transmission index Dynamic stiffness SD MN/m Impact noise transmission index Compressibility CP mm Compressibility AFr kPa.s/m kPa.s/m Air flow resistivity AFr kPa.s/m kPa.s/m Continous glowing combustion Continous glowing combustion Thermal resistance Ro m² k/M Thermal resistance Ro m² k/M mm mm Tickness d d mm mm Water permeability Long term water absorption WS kg/m Water vapour permeability Water vapour transmission MU - Compressive strength Compressive stress CS(10) kPa Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation <td< th=""><th>Declared performance</th></td<>	Declared performance
Acoustic absorption index Sound absorption AW	s A1
Dynamic stiffness SD MN/m	NPD
Thickness	0,95
	10
Air flow resistivity AFr kPa.s/n Direct airborne sound insulation index Air flow resistivity AFr kPa.s/n Continous glowing combustion Continous glowing combustion Thermal resistance Thermal conductivity Thickness Thermal conductivity Thickness Thermal conductivity Thickness Thermal conductivity Thickness Thermal resistance Thermal absorption WS kg/m Long term water absorption WL(P) kg/m Au Compressive strength Compressive stress CS(10) kPa Durability of reaction to fire against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Thermal res	50
Direct airborne sound insulation index Air flow resistivity AFr kPa.s/r Continous glowing combustion Continous glowing combustion Thermal resistance Thermal resistance Thermal resistance Thermal conductivity Thickness Thickness Thickness class T Class Short term water absorption WS kg/m Long term water absorption Wu(P) Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) RPa Point Load PL(5) N Durability of thermal resistance against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Thermal conductivity Apr Apr kPa.s/r Rp ₀ m² KΛ Thermal resistance Thermal conductivity Ap ₀ W/m I	3
Continous glowing combustion Thermal resistance $R_0 = M^2 K N M^2 M^2 M^2 M^2 M^2 M^2 M^2 M^2 M^2 M^2$	² 60
Thermal resistance	² 60
Thermal conductivity λ_0 W/m I Thickness d_N mm Thickness d_N mm Thickness d_N Thickness d_N mm Thickness class d_N mm Thickness class d_N mm Thickness class d_N mm Thickness d_N mm Thickness class d_N mm Thickness class d_N mm Thickness d_N mm Thickness class d_N mm Thickness d_N mm Thickness	NPD
	see below table
$\frac{\text{Thickness}}{\text{Thickness class}} \qquad \frac{d_{\text{N}}}{\text{T}} \qquad \text{mm} \\ \frac{\text{Thickness class}}{\text{Thickness class}} \qquad \frac{1}{\text{T}} \qquad \text{Class} \\ \frac{\text{Short term water absorption}}{\text{Long term water absorption}} \qquad \frac{\text{WS}}{\text{WS}} \qquad \frac{\text{kg/m}}{\text{kg/m}} \\ \frac{\text{MU}}{\text{Z}} \qquad \frac{-\frac{1}{\text{MPAPA/MS}}}{\text{MU}} \qquad \frac{1}{\text{Z}} \\ \frac{\text{Compressive strength}}{\text{Point Load}} \qquad \frac{\text{Compressive stress}}{\text{Point Load}} \qquad \frac{\text{CS(10)}}{\text{PL(5)}} \qquad \frac{\text{kPa}}{\text{N}} \\ \frac{\text{Durability of reaction to fire against heat, weathering, ageing/degradation}}{\text{Durability of thermal resistance against heat, weathering, ageing/degradation}} \qquad \frac{\text{Thermal resistance}}{\text{Thermal conductivity}} \qquad \frac{R_0}{\lambda_0} \qquad \frac{m^2 \text{KV}}{\text{MV/mI}} \\ \frac{\text{Thermal conductivity}}{\text{Remainstance}} \qquad \frac{R_0}{\lambda_0} \qquad \frac{m^2 \text{KV}}{\text{MV/mI}} \\ \frac{R_0}{\text{Remainstance}} \qquad \frac{R_0}{Remai$	0,035
Water permeability Short term water absorption WS kg/m Long term water absorption WL(P) kg/m Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) kPa 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 Thermal resistance Thermal conductivity λ_D W/mI	20-300
Water permeability Long term water absorption WL(P) kg/m Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) RPa Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, against degradation Thermal resistance Thermal conductivity N=0 N=0 Thermal resistance Thermal conductivity N=0 N=0 Thermal conductivity N=0 N=0 Thermal conductivity N=0 N=0 Thermal conductivity N=0 N=0 N=0 N=0 N=0 N=0 N=0 N=	T6
	<1
$\frac{\text{Vater vapour transmission}}{\text{Z}} = \frac{\text{Z}}{\text{m2hPa}/\text{Valer vapour transmission}}$ $\frac{\text{Z}}{\text{Compressive stress}} = \frac{\text{Z}}{\text{CS(10)}} = \frac{\text{N}}{\text{Pa}}$ $\frac{\text{Point Load}}{\text{Point Load}} = \frac{\text{PL(5)}}{\text{Point Load}} = \frac{\text{RtF}}{\text{Eurocla}}$ $\frac{\text{Reaction to fire}}{\text{Durability of termal resistance against heat, weathering, against degradation}}$ $\frac{\text{Thermal resistance}}{\text{Thermal conductivity}} = \frac{\text{R}_0}{\lambda_0} = \frac{\text{m}^3 \text{KN}}{\text{W/m1}}$	<3
	1
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 Thermal resistance Thermal conductivity A _D W/m I	ng NPD
Point Load PL(5) N Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Eurocla Durability of thermal resistance against heat, weathering, againg/degradation Thermal resistance R _D m² KN Thermal conductivity λ _D W/m I	NPD
ageing/degradation Reaction to fire Rea	NPD
Durability of thermal resistance against heat, weathering, Thermal conductivity \[\begin{array}{l} \lambda_D &	s A1
ageing (degradation Thermal conductivity M _D W/m I	see below table
ageing/degradation Durability characteristics DS (70,90) %	0,035
	NPD
Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation $CC(i_1/i_2/y) \sigma_c$ mm	NPD
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)	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance	R _D (m ² K/W)	0,55	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

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: