Declaration of Performance





DoP Number: GR-2029-004

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-570-YM

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 Realease of dangerous substances Robynamic stiffness SD Thickness GD Thickness Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Thermal resistance Robynamic stiffness Thermal resistance Robynamic stiffness Realease of dangerous substances Adult Repressibility April 1 | Euroclass | A1 NPD 1 NPD NPD NPD NPD 50 | |
|--|---|--------------------------------|--|
| Acoustic absorption index Sound absorption AW Dynamic stiffness 5D Thickness dt Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity Continous glowing combustion Continous glowing combustion Thermal resistance R _D Thermal resistance R _D Thickness dN Thickness T Short term water absorption WS Water vapour permeability Water vapour transmission MU Water vapour permeability Water vapour transmission Z 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 resistance Ro Thermal conductivity No | MN/m³ mm mm kPa.s/m² kPa.s/m² | 1 NPD NPD NPD S0 | |
| Dynamic stiffness SD | MN/m³ mm mm kPa.s/m² kPa.s/m² | NPD NPD NPD NPD 50 | |
| Impact noise transmission index Thickness Compressibility AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Thermal resistance Thermal resistance Thermal conductivity Abo Thickness Thickness Thickness class Tomal term water absorption Water permeability Water vapour permeability Water vapour permeability Water vapour transmission Compressive strength Compressive stress Thermal resistance Rection to fire Retf Thermal resistance Rection to fire Rection to fire Rection to fire Thermal resistance Thermal resistance Thermal resistance Thermal resistance Thermal conductivity Thermal conductivity | mm mm kPa.s/m² kPa.s/m² | NPD NPD 50 | |
| Impact noise transmission index Compressibility CP | mm kPa.s/m² kPa.s/m² | NPD 50 | |
| Air flow resistivity Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Thermal resistance Thermal conductivity Thickness Thickness Thickness class Thickness class Thickness class Thickness class To thermal resistance Water permeability Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Thermal resistance Reaction to fire Thermal resistance Thermal resistance Thermal resistance | kPa.s/m² kPa.s/m² | 50 | |
| Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Thermal resistance R _D Thermal resistance R _D Thermal conductivity λ _D Thickness d _N Thickness T Short term water absorption WS Long term water absorption WL(P) Water vapour permeability Water vapour transmission Z Compressive strength CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity λ _D | kPa.s/m² | | |
| Continous glowing combustion Continous glowing combustion Thermal resistance Thermal resistance Thermal conductivity Thickness Thickness Thickness Thickness class Thickness class Thickness class Thickness class Thickness class Tour conductivity Water permeability Water water absorption Wul(P) Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Thermal resistance Rep Thermal conductivity About the point conductivity Thermal conductivity Thermal conductivity Thermal conductivity Thermal conductivity | | | |
| Thermal resistance | | 50 | |
| Thermal resistance | | NPD | |
| Thickness d _N Thickness d _N Thickness class T Short term water absorption WS Water permeability Under vapour permeability Water vapour transmission T Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity N | m² K/W | see below table | |
| Thickness ddN Thickness class T Short term water absorption WS Ung term water absorption WL(P) Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Thermal resistance Rep Thermal conductivity | W/m K | 0,033 | |
| Thickness class T Short term water absorption WS Water permeability Long term water absorption WL(P) Water vapour permeability Water vapour transmission MU Z Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity No. | mm | 30-300 | |
| Water permeability Long term water absorption WL(P) Water vapour permeability Water vapour transmission Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Thermal resistance Rep Thermal conductivity | Class | T4 | |
| Long term water absorption WL(P) | kg/m² | <1 | |
| Water vapour permeability Water vapour transmission Z Compressive strength 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 | kg/m² | <3 | |
| Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity | - | 1 | |
| Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Thermal resistance R _D Thermal conductivity | m2hPa/mg | NPD | |
| Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Durability of thermal resistance against heat, weathering, Thermal conductivity Thermal conductivity Thermal conductivity | kPa | NPD | |
| ageing/degradation Reaction to fire | N | NPD | |
| Durability of thermal resistance against heat, weathering, Thermal conductivity | Euroclass | A1 | |
| I hermal conductivity \(\Lambda_0 \) | m² K/W | see below table | |
| | W/m K | 0,033 | |
| 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 $CC(i_1/i_2/y) \sigma_c$ | kPa | NPD | |
| NPD: No Performance Determined | kPa mm | | |

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) | 0,90 | 1,20 | 1,50 | 1,80 | 2,10 | 2,40 | 2,70 | 3,00 | 3,30 | 3,60 | 3,90 | 4,20 | 4,50 | 4,80 | 5,45 | 6,05 |

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: