# 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° 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° 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 n° 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° 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° 0764 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire. 0751-CPR-223.0-01

**8 Declared performance according to harmonized standard:** **EN 13162:2012+A1:2015**

| Essential characteristics | Performance | Abbreviation | Unit | Declared performance |
|---|---|---|---|---|
| Reaction to fire | Reaction to fire | RtF | Euroclass | A1 |
| Realease of dangerous substances | Realease of dangerous substances | | | NPD |
| Acoustic absorption index | Sound absorption | AW | - | 1 |
| Impact noise transmission index | Dynamic stiffness | SD | $MN/m^3$ | NPD |
| | Thickness | $d_L$ | mm | NPD |
| | Compressibility | CP | mm | NPD |
| | Air flow resistivity | AFr | $kPa.s/m^2$ | 50 |
| Direct airborne sound insulation index | Air flow resistivity | AFr | $kPa.s/m^2$ | 50 |
| Continous glowing combustion | Continous glowing combustion | | | NPD |
| Thermal resistance | Thermal resistance | $R_D$ | $m^2$ K/W | see below table |
| | Thermal conductivity | $\lambda_D$ | W/m K | 0,033 |
| | Thickness | $d_N$ | mm | 30-300 |
| | Thickness class | T | Class | T4 |
| Water permeability | Short term water absorption | WS | $kg/m^2$ | <1 |
| | Long term water absorption | WL(P) | $kg/m^2$ | <3 |
| Water vapour permeability | Water vapour transmission | MU | - | 1 |
| | | Z | m2hPa/mg | NPD |
| Compressive strength | Compressive stress | CS(10) | kPa | NPD |
| | Point Load | PL(5) | N | NPD |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Reaction to fire | RtF | Euroclass | A1 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance | $R_D$ | $m^2$ K/W | see below table |
| | Thermal conductivity | $\lambda_D$ | W/m K | 0,033 |
| | Durability characteristics | DS (70,90) | % | NPD |
| Tensile/Flexural strength | Tensile strength perpendicular to faces | TR | kPa | NPD |
| Durability of compressive strength against heat, weathering, ageing/degradation | Compressive creep | $CC(i_1/i_2/y)\ \sigma_c$ | 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.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

Date: 1/3/2021

Signature: