# Declaration of Performance

**DoP Number:** **GR-2256-005**

1 Unique identification code of the product-type: **FIBRANgeo B-001-YM**

2 Identification of the construction product as required under Article 11(4) of the regulation n° 305/2011/EU: MW-EN 13162-T4-WS-WL(P)-MU1-AW1-AFr50

3 Intended use/es: Thermal Insulation of Building

4 Manufacturer: FIBRAN S.A., Terpni, 62200, Serres, Greece

5 Systems/s of AVCP: AVCP - System 1 - System 3

6 Harmonised standard: EN 13162:2012+A1:2015

Notified bodies:

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.

7 Declared performance:

| **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 table below |
| | Thermal conductivity | $\lambda_D$ | W/m K | 0,033 |
| | Thickness | $d_N$ | mm | 20-300 |
| | 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 | $R_D$ | | see table below |
| | 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 | | | | |

| 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) | 0,60 | 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 |

8 Suitable technical justification and/or specific technical justification:
The performance of the product identified above is in conformity with the declared values. The declaration of these values is issued, according to EU Regulation 305/2011, under the sole responsibility of the manufacturer.

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Function: Quality Assurance Manager

Place: Thessaloniki

Date: 18/4/2022

Signature: