

# Declaration of Performance



## DoP Number:

GR-3009-001

1 Unique identification code of the product-type:

MW-EN 14303-T2-ST(+)-650-WS1-AW1-CL10-F10-pH10,5

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

FIBRANgeo R-080

3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Thermal insulation for building equipment and industrial installations

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. 56010, 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° 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

7 Notified Certification bodies FIW (Forschungsinstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt für 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-CPD.2-001.0-01

## 8 Declared performance according to harmonized standard:

EN 14303:2009 + A1:2013

| Essential characteristics                                   | Performance   | Abbreviation | Unit              | Declared performance  |
|---|---|--------------|-------------------|-----------------------|
| Reaction to fire  | Reaction to fire  | RtF          | Euroclass         | A1                    |
| Acoustic absorption index                                   | Acoustic absorption index                                       |              |                   | 1                     |
| Thermal Resistance  | Thermal Conductivity  | $\lambda_D$  | W/m K             | See table below       |
|   | Thickness   | $d_N$        | mm                | 30-50                 |
|   | Thickness Tolerance   | T            | Class             | T2                    |
| Water Permeability  | Water Absorption  | WS           | kg/m <sup>2</sup> | 1                     |
| Water vapour permeability                                   | Water Vapour diffusion equivalent air layer thickness           | MV           |                   | NPD                   |
| Compressive strength  | Compression stress at 10% deformation                           | CS           | kPa               | NPD                   |
| Rate of release of corrosive substances                     | Trace of quantities of water-soluble chloride ions and pH-value | CL           | ppm               | 10                    |
|   |   | F            | ppm               | 10                    |
|   |   | pH           |                   | 10,5                  |
| Release of Dangerous Substances                             | Release of Dangerous Substances                                 |              |                   | NPD                   |
| Release of Dangerous Substances                             | Continuous Glowing Combustion                                   |              |                   | NPD                   |
| Durability of reaction to fire against ageing/degradation   | Durability of reaction to fire against ageing/degradation       |              |                   | According to EN 14303 |
| Durability of thermal resistance against ageing/degradation | Durability of thermal resistance against ageing/degradation     |              |                   | According to EN 14303 |
| Durability of reaction to fire against high temperature     | Durability of reaction to fire against high temperature         |              |                   | According to EN 14303 |
| Durability of thermal resistance against high temperature   | Maximum Service Temperature                                     | ST           | °C                | 650                   |

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.

| Temperature    | 10    | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 500   | 600   | 650   |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| $\lambda$ W/mK | 0,033 | 0,040 | 0,046 | 0,053 | 0,061 | 0,072 | 0,080 | 0,095 | 0,105 | 0,136 | 0,172 | 0,195 |

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: 19/3/2021  
 Signature: