# Declaration of Performance

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| **DoP Number** | **GR-2032-001** |
| 1 Unique identification code of the product-type | FIBRANgeo B-080-XA |
| 2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR | B-080-XA |
| 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 buildings (ThIB) |
| 4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) | FIBRAN S.A. 56410, Thessaloniki, Greece |
| 5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) | not relevant |
| 6 System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V. | AVCP - System 1 |
| 7 In case of the declaration of performance concerning a construction product covered by a harmonised standard (Name and identification number of the notified body, if relevant). | FIW No. 0751 |

FIW No. 0751 performed under system (description of the third party tasks as set out in Annex V). and issued (certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant).

Harmonised standard EN 13162:2012

**8 Declared performance**

| Essential characteristics | Performance | Abreviation | Unit | Declared performance |
|---|---|---|---|---|
| Reaction to fire | Reaction to fire | RtF | Euroclass | F |
| Realease of Dangerous Substances | Realease of Dangerous Substances | | | NPD |
| Acoustic absorption index | Sound absorption | | | NPD |
| Impact Noise Transmission Index | Dynamic stiffness | s' | MN/m³ | NPD |
| | Thickness | $d_L$ | mm | NPD |
| | Compressibility | c | mm | NPD |
| | Air flow resistivity | $AF_r$ | kPa.s/m² | NPD |
| Direct airborne sound insulation index | Air flow resistivity | $AF_r$ | kPa.s/m² | NPD |
| Continous glowing combustion | Continous glowing combustion | | | NPD |
| Thermal Resistance | Thermal Resistance | $R_D$ | m² K/W | see below table |
| | Thermal Conductivity | $\lambda_D$ | W/m K | 0,033 |
| | Thickness | $d_N$ | mm | 20-200 |
| | Thickness Class | T | Class | T4 |
| Water Permeability | Short term Water absorption | $W_p$ | kg/m² | <1 |
| | Long term water absorption | $W_{lp}$ | kg/m² | <3 |
| Water vapour permeability | Water vapour transmission | μ | | NPD |
| | | Z | m2hPa/mg | >0,5 |
| Compressive strength | Compressive stress or compressive | CS | kPa | NPD |
| | Point Load | $F_p$ | N | NPD |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Reaction to fire | RtF | Euroclass | F |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal Resistance | R | m² K/W | see below table |
| | Thermal Conductivity | λ | W/m K | 0,033 |
| | Durability Characteristics | d | mm | 20-200 |
| Tensile/Flexural strength | Tensile Strength perpendicular to faces | TR | kPa | NPD |
| Durability of compressive strength against heat, weathering, ageing/degradation | Compressive creep | Xct, Xt | mm | NPD |

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

| Thickness | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 180 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R ($m^2$ 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 |

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| Name | Stella Chadiarakou |
| Function | R&D - Quality Assurance Manager |
| Place | Thessaloniki |
| Date | 01/07/2013 |
| Signature |  |