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**Declaration of Performance**

**BauderROCK Flatboard Insulation**

DoP-Nr.: UK-WER-0144-05\_english

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| --- | --- | --- |
| 1. | Unique identification code of the product-type | UK-WER-0144-03\_english |
| 2. | Intended use of the construction product as foreseen by the manufacturer,in accordance with the applicable harmonised technical specification | Thermal insulation for buildings (ThIB) |
| 3. | Name, registered trade name or registered trade mark and  contact address of the manufacturer, as required pursuant to  Article 11(5) of regulation (EU) No 305/2011 | Bauder Ltd, 70 Landseer Road, Ipswich, Suffolk, IP3 0DH |
| 4. | Applicable System or Systems of Assessment and Verification of Constancy of Performance (AVCP) | SYSTEM 1 for uses subject to regulations on reaction to fire SYSTEM 3 for all other intended uses |
| 5. | Harmonised Standard reference number and date of issue | BS EN 13162:2012+A1:2015 |
| 6. | Notified Body identification number | 0751 |
| 7. | Declared Performances | Please refer to the table below  (NPD – No Performance Determined) |

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| --- | --- | --- | --- |
| **Essential Characteristics** | **Requirement clauses**  **in this European Standard** | **Level and/or classes** | **Declared value** |
| Thermal resistance | 4.2.1 Thermal resistance and thermal conductivity  4.2.3 Thickness | Declared RD and/or D  Declared d or tolerance class T | D : 0.039 W/mK  T5 |
| Reaction to fire Euroclass characteristics | 4.2.6 Reaction to fire | Euroclasses | A2-s1, d0 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics a) | Euroclasses | a) |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity  4.2.7 Durability characteristics | Declared RD and D  DS(70,-) or DS(23,90) or DS(70,90) c) | b)  DS(70,90) |
| Compressive strength | 4.3.3 Compressive stress or compressive strength  4.3.5 Point load | Declared CS Level  Declared PL | NPD  NPD |
| Tensile/Flexural strength | 4.3.4 Tensile strength perpendicular to faces d) | Declared TR Level | NPD |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | Declared CC | NPD |
| Water permeability | * + - 1. Short term water absorption       2. Long term water absorption | Declared WS  Declared WL(P) | NPD  NPD |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared MU or Z | MU1 |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | Declared SD | NPD |
|  | 4.3.10.2 Thickness, *d*L | Declared *d*L and T Class | NPD |
|  | 4.3.10.4 Compressibility *c* | Declared CP | NPD |
|  | 4.3.12 Air flow resistivity | Declared AFr | NPD |
| Acoustic absorption index | 4.3.11 Sound absorption | Declared AP and AW | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | Declared AFr | NPD |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances e) |  | e) |
| Continuous glowing combustion | 4.3.15 Continuous glowing combustion e) |  | e) |

a) No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

b) Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

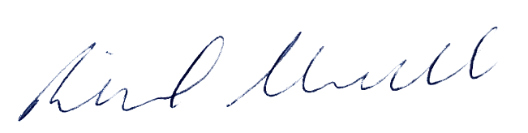
c) For dimensional stability thickness only.

d) This characteristic also covers handling and installation.

e) European test methods are under development.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Richard Clennell

Product Manager – RBM and Insulation

At Ipswich on 20th August 2021