|  |  |  |
| --- | --- | --- |
| 1. | Unique identification code of the product-type | **BauderROCK** |
| 2. | Type, and serial number allowing identification of the product | **See product label for BauderROCK Insulation.** |
| 3. | Intended use of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer | **Thermal insulation for buildings** |
| 4. | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5) | **Bauder Limited**  **70 Landseer Road**  **Ipswich**  **IP3 0DH** |
| 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 Annex V | **System 1 + and System 3** |
| 7. | In case of the declaration of performance concerning a construction product covered by a harmonised standard | **EN 13162:2012**  **Notified Certification body No. 0086 performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issues the Certificate of Constancy of Performance 0086\_CPR\_461281.** |
| 8. | In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued | **Not relevant** |



**Declaration of Performance**

**BauderROCK Insulation**

**DoP No. WER-0144**

9. Declared performance: (NPD – no performance declared)

|  |  |  |  |
| --- | --- | --- | --- |
| **Essential Characteristics** | **Clauses in this and other European standard(s) related to essential characteristics** | **Harmonised standard**  **EN 13162:2012** | **Declared value / NPD** |
| Reaction to fire | 4.2.8 Reaction to fire | Euroclasses | A1 |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances | - | NPD |
| Acoustic absorption index | 4.3.11 Sound absorption | Declared αᵖ and αw | NPD |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | Declared S | NPD |
| 4.3.10.1 Thickness, dL | Declared dL and Class | NPD |
| 4.3.10.3 Compressibility c | Declared CP Level | NPD |
| 4.3.12 Air flow resistivity | Direct airborne sound insulation index, Declared AFr | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | Declared AFr | NPD |
| Continuous glowing combustion | 4.3.14 Continuous glowing combustion | - | NPD |
| Thermal resistance | 4.2.1 Thermal resistance and thermal conductivity | Declared R and λ if possible | λ (90/90) = 0.039 W/mK |
| 4.2.2 Length and width | Declared l and b | ±3mm width of line and ±5mm length of line |
| 4.2.3 Thickness | Declared d or tolerance class | T5 |
| 4.2.4 Squareness | Declared Sb | ±3.0 per 500mm |
| 4.2.5 Flatness | Declared Smax | ±6mm |
| Water permeability | 4.3.7.1 Short term water absorption | Declared Wp, WI(t) or WI(p) | NPD |
| 4.3.7.2 Long term water absorption | Declared Wp, WI(t) or WI(p) | NPD |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared μ or Z | MU1 |
| Compressive strength | 4.3.3 Compressive stress or compressive strength | Declared CS | NPD |
| 4.3.5 Point load | Declared Fp | NPD |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.9 Durability characteristics a) | b) | NPD |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity | Declared R and λ if possible c) | NPD |
| 4.2.9 Durability characteristics | d) | NPD |
| Tensile/Flexural strength | 4.3.4 Tensile strength perpendicular to faces e) | Declared TR | NPD |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | Declared Xct and Xt | NPD |

a) No change in reaction to fire properties for mineral wool products.

b) 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.

c) 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.

d) For dimensional stability thickness only.

e) This characteristic also covers handling and installation.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Paul Felgate

R & D Manager

1/7/2013