|  |  |  |
| --- | --- | --- |
| 1. | Unique identification code of the product-type | **Bauder XPS(CO2)** |
| 2. | Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) | **See product label and marking on boards** |
| 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** |
| 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 | **AVCP 3** |
| 7. | In case of the declaration of performance concerning a construction product covered by a harmonised standard | **EN 13164**  **NB 1168 AFITI LICOF**  **NB 1169 CEDEX**  **NB 1722 CEIS** |
| 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**

**Bauder XPS(CO2) Insulation**

**DoP No. XPS(CO2).001**

9. Declared performance

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Essential characteristics** | **Performance** | | | | | **Harmonised technical specification** | |
| Thermal resistance RD ((m².K)/W) | dN 50- 200mm | 1.15 – 3.30 | |  | | **EN 13164:2012** | EN 12667  EN 12939 |
| Thermal conductivity λD (W/(m.K)) | 40 – 60mm  61 – 120mm | 0.034 W/mK  0.036 W/mK | | |  |
| Length & Width | ≤1500mm  >1500mm | ±8.0mm  ±10.0mm | | | | EN 822 |
| Squareness | Length  Width | ≤5mm/m  ≤5mm/m | | | | EN 824 |
| Flatness | ≤1500mm  >1500mm | ≤6mm/m  ≤6mm/m | | | | EN 825 |
| Thickness | dN < 50mm | T1; ±2mm | | | | EN 823 |
| dN 50-120mm | T1; -2 +3mm | | | |
|  |  | | | |
| Reaction to fire | Reaction to Fire | E | | | | EN 13501-1 |
| Reaction to fire – end use | Reaction to fire – end use | NPD | | | | EN 15715 |
| Water vapour transmission | NPD | | | | | EN 12086 |
| Compressive strength (kPa) | CS(10\Y)300 | | | | | EN 826 |
| Long term water absorption by total immersion | WL(T)0.7 | | | | | EN 12087 |
| Long term water absorption by diffusion | WD(V)3 | | | | | EN 12088 |
| Freeze thaw resistance after long term water absorption by diffusion | FTCD1 | | | | | EN 12091 |
| Dimensional stability under specified temperature and humidity conditions | 48 h, 70 ºC, 90 % R.H. | | DS(70,90) | | | EN 1604 |
| Deformation under specified compressive load and temperature conditions | 40 kPa, 70 °C, 168 h | DLT(2)5 | | | |  | EN 1605 |

Where pursuant to Article 37 or 38, the Specific Technical Documentation has been used, the requirements with which the product complies:

**Not relevant**

10. 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 in point 4.

Signed for and on behalf of the manufacturer by:



Paul Felgate

R & D Manager

1/7/2013