|  |  |  |
| --- | --- | --- |
| 1. | Unique identification code of the product-type | **Bauder Thermotech Glass** |
| 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 | **System 3** |
| 7. | In case of the declaration of performance concerning a construction product covered by a harmonised standard | **EN 13165:2012**  **Notified testing laboratory FIW München (No. 0751) and Exova (No. 1104) performed the determination of the product type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product under system 3** |
| 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 Thermotech Glass Insulation**

**DoP No. ThermotechGlass.001**

9. Declared performance

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Essential characteristics** | **Performance** | | | | **Harmonised technical specification** | |
| Thermal resistance | Thermal resistance RD ((m².K)/W) | dN 30mm  dN 40mm  dN 50mm  dN 60mm  dN 70mm  dN 80mm  dN 90mm  dN 100mm  dN 110mm  dN 120mm  dN 130mm | 1.15  1.50  1.90  2.30  2.65  3.20  3.60  4.00  4.40  5.00  5.40 | | **EN 13165:2012** | EN 12667  EN 12939 |
| Thermal conductivity λD (W/(m.K)) | dN < 80mm  dN 80-119mm  dN ≥ 120mm | | 0.026  0.025  0.024 |
| Thickness tolerance | dN < 50mm | T2; ±2mm | | | EN 823 |
| dN 50-75mm | T2; ±3mm | | |
| dN > 75mm | T2; +5, -3mm | | |
| Reaction to fire |  | RtF E | | | EN 13501-1 |
| Compressive strength |  | CS(10\Y)150 | | | EN 826 |
| Tensile strength | Perpendicular to faces | TR80 | | | EN 1607 |
| Dimensional stability under specified temperature and humidity conditions | 48 h, 70 ºC, 90 % R.H. | DS(70,90)3 | | | EN 1604 |
| 48 h, -20 ºC | DS(-20,-)1 | | |
| Deformation under specified compressive load and temperature conditions | 40 kPa, 70 °C, 168 h | DLT(2)5 | | |  | EN 1605 |

*All other essential characteristics according to EN 13165:2012 Table ZA.1; NPD*

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