

Declaration of Performance

In accordance with Regulation (EU) N° 305/2011;

We the manufacturer:

Icopal Ltd
Barton Dock Road, Manchester, M32 0YL. United Kingdom

Hereby declare the product(s) named below:

Thermazone Roofboard Insulation

Production location ref: S0012-02-101, S0012-02-102

Complies with the provisions concerning the attestation of conformity and product performance as described in Annex ZA of the product standard: **EN 13165 : Thermal insulation products for buildings. Factory made rigid polyurethane foam (PU) products.**

Description and Use: Rigid polyurethane foam thermal insulation for use in warm roofing construction applications.

System of assessment of verification of constancy of performance (AVCP): System 3

Determination of the product type on the basis of Initial Type Testing (ITT), type calculation, tabulated values or descriptive documentation of the product under system AVCP 3 was carried out by notified testing laboratory N°s. 1486.



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DECLARED PERFORMANCE

| Characteristic | Test method | | Performance | | Units |
|---|----------------------|----------------------------------|--|--|------------------------------------|
| | | | Thickness | Value | |
| Thermal resistance | EN 12667 EN 12939 | Thermal resistance R_D | d _N 30 mm d _N 40 mm d _N 50 mm d _N 60 mm d _N 70 mm d _N 80 mm d _N 90 mm d _N 100 mm d _N 110 mm d _N 120 mm d _N 130 mm | 1.15 1.50 1.90 2.30 2.65 3.20 3.60 4.00 4.40 5.00 5.40 | (m ² ·K)W ⁻¹ |
| | | Thermal Conductivity λ_D | d _N < 80 mm d _N 80-119 mm d _N ≥ 120 mm | 0.026 0.025 0.024 | W(m·K) ⁻¹ |
| Length and Width tolerance | EN 822 | | < 1000 mm 1000 to 2000 mm 2001 to 4000 mm > 4000 mm | ± 5 ± 7.5 ± 10 ± 15 | mm |
| Thickness tolerance | EN 823 | | T2 | | - |
| Reaction to fire | EN 13501-1 | Euroclass | Class F | | - |
| Squareness | EN 824 | | S _b ≤ 5mm/m | | - |
| Compressive strength | EN 826 | | CS (10\Y) 150 | | kPa |
| Dimensional Stability under specified temperature and humidity conditions | EN 1604 | 48 h, 70 °C, 90 % R.H. | DS (70,90) 4 | | - |
| | | 48 h, -20 °C | DS (-20,-) 2 | | - |
| Deformation under specified compressive load and temperature conditions | EN 1605 | 40 kPa, 70 °C, 168 h | DLT(2) 5 | | - |
| <i>All other essential characteristics according to EN 13165 : 2012 ZA.1; NPĐ</i> | | | | | |

Signed for and on behalf of the manufacturer by:

Neil Harrison
Position: Technical Director
Place: Manchester, UK
Date: 01 Jan 2014

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