

Declaration of Performance

No. KMI-10.2024-Envertex Roof 70/038 Dual

In accordance with Annex III to Regulation (EU) No 305/2011

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| <p>1. Unique identification code of the product-type: Envertex Roof 70/038 Dual</p> <p>2. Intended use: Thermal insulation for buildings</p> <p>3. Manufacturer: Kingspan Mineral Insulation GmbH, Paitzdorfer Straße 62, 07580 Ronneburg</p> | <p>4. Authorized representative: N/A</p> <p>5. System or systems of assessment and verification of constancy of performance: AVCP 1 and 3</p> <p>6. Harmonised standard: EN 13162:2012+A1:2015</p> <p>7. Notified certification body or bodies: FIW-München, No 0751</p> <p>8. Declared performances: Table 1.</p> |
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Table 1. Declared performances

| Essential characteristics | Requirement clauses | Symbol | Unit | Declared performances |
|---|--|---------------------------------|----------------------|-----------------------|
| Thermal resistance | Thermal conductivity | λ_D | W/(mK) | 0,037 |
| | Thermal resistance | R_D | m ² K/W | Table 2. |
| | Thickness | T | Class | T4 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal conductivity | λ_D | W/(mK) | 0,037 |
| | Thermal resistance | R_D | m ² K/W | Table 2. |
| | Dimensional stability under specified temperature | DS(70,-) | % | NPD |
| | Dimensional stability under specified temperature and humidity condition | DS(70,90) | % | ≤1 |
| Reaction to fire | Reaction to fire Euroclass characteristics | RtF | Euroclass | A1 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Reaction to fire Euroclass characteristics | RtF | Euroclass | A1 |
| Water permeability | Short time water absorption | WS | kg/m ² | WS |
| | Long time water absorption | WL(P) | kg/m ² | NPD |
| Water vapour permeability | Water vapour transition | MU | - | MU1 |
| Compressive strength | Compressive stress or compressive strength | CS(10) | kPa | 70 |
| | Point load | PL(5) | N | 800 |
| Tensile/Flexural strength | Tensile strength perpendicular to faces | TR | kPa | 10 |
| Durability of compressive strength against ageing/degradation | Compressive creep | CC(i1/i2/y)σ_c | mm | NPD |
| Impact noise transition index | Dynamic stiffness | S | MN/m ³ | NPD |
| | Thickness | dL | mm | NPD |
| | | dB | mm | NPD |
| | Compressibility | C | mm | NPD |
| Direct airborne sound insulation index | Air flow resistivity | AFr | kPa·s/m ² | NPD |
| Acoustic absorption index | Sound absorption | AFr | kPa·s/m ² | NPD |
| Release of dangerous substances to the indoor | Release of dangerous substances | - | - | NPD |
| Continuous glowing combustion | Continuous glowing combustion | - | - | NPD |

Table 2. Thermal resistance

| Thickness[mm] | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|----------------------------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| R_D [m ² K/W] | - | - | - | - | - | 1,60 | 1,85 | 2,15 | 2,40 | 2,70 | 2,95 | 3,20 | 3,50 | 3,75 | 4,05 |
| Thickness[mm] | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 |
| R_D [m ² K/W] | 4,30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

Signed on behalf of the manufacturer by:

Name:


Kenneth George Munro

Place and date of issue:

Ronneburg, 09.10.2024