

Declaration of Performance

Therma™ TW50

1000/1001.CPR.2013.TW50.002

| | |
|---|---|
| Unique identification code of the product-type: | Therma™ TW50 |
| Intended use/es: | Thermal insulation for buildings |
| Manufacturer: | Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK |
| System/s of AVCP: | System 3 |
| Harmonised technical specification: | BS-EN 13165:2012+A1:2015 |
| Notified body/ies: | FIW München NB. 0751 University of Salford NB 1145.Exova NB 1104 |

| Essential characteristics | | Performance | |
|---|--|--|------|
| Thermal resistance | Thermal resistance R_D ((m ² .K)/W) | d _N 30mm | 1.35 |
| | | d _N 40mm | 1.80 |
| | | d _N 50mm | 2.25 |
| | | d _N 60mm | 2.70 |
| d _N 70mm | | 3.15 | |
| d _N 80mm | | 3.60 | |
| d _N 90mm | | 4.05 | |
| d _N 100mm | | 4.50 | |
| d _N 120mm | | 5.45 | |
| d _N 130mm | | 5.90 | |
| d _N 140mm | | 6.35 | |
| d _N 150mm | | 6.80 | |
| d _N 160mm | 7.25 | | |
| | Thermal conductivity λ_D (W/(m.K)) | 0.022 | |
| | Thickness tolerance | d _N 25-200mm | T2 |
| Reaction to fire | | D,s2,d0 | |
| Durability of reaction to fire against heat, weathering, ageing / degradation | | Reaction to fire does not change with time | |
| Dimensional stability under specified temperature and humidity condition | | DS(70,90)3 | |
| | | DS(-20,-)1 | |
| Deformation under specified compressive load and temperature conditions | | DLT(2)5 | |
| Compressive strength | Compressive stress or compressive strength | CS(10\Y)140 | |
| Tensile / Flexural strength | Tensile strength perpendicular to faces | NPD | |
| Durability of compressive strength against ageing / degradation | Compressive creep | NPD | |
| Water permeability | Short term water absorption | NPD | |
| | Long term water absorption | NPD | |
| | Flatness after one sided wetting | NPD | |
| Water vapour permeability | Water vapour transmission | NPD | |
| Acoustic absorption index | Sound absorption | NPD | |
| Release of dangerous substances to the indoor environment | | No harmonized test method available | |
| Continuous glowing combustion | | No harmonized test method available | |
| NPD: No Performance Determined | | | |

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

Signed for and on behalf of the manufacturer by:

Richard Burnley
Managing Director UK and Ireland 1/1/2016

