

UK Declaration of Performance

Kingspan Kooltherm® K107 Pitched Roof Board

1000.UKDoP.K107.002

Unique identification code of the product-type:

Kingspan Kooltherm® K107 Pitched Roof Board

Intended use/es:

Thermal insulation for buildings

Manufacturer:

Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK

System/s of AVCP:

System 4 (Reaction to fire), System 3 (Other Properties)

Designated technical specification:

BS-EN 13166:2012+A2:2016

UK Assessment/Notified body/ies::

University of Salford:1145, FIW:0751

| Essential characteristics | | Performance |
|--|---|--------------------------|
| Thermal resistance | Thermal resistance R_D ((m ² .K)/W) | d _N 25mm 1.30 |
| | | d _N 30mm 1.55 |
| | | d _N 40mm 2.10 |
| d _N 50mm 2.60 | | |
| d _N 60mm 3.15 | | |
| d _N 70mm 3.65 | | |
| d _N 75mm 3.90 | | |
| d _N 80mm 4.20 | | |
| d _N 90mm 4.70 | | |
| d _N 100mm 5.25 | | |
| d _N 110mm 5.75 | | |
| d _N 120mm 6.30 | | |
| d _N 130mm 6.80 | | |
| d _N 140mm 7.35 | | |
| d _N 150mm 7.85 | | |
| | Thermal conductivity λ_D (W/(m.K)) | λ_D 0.019 |
| | Thickness tolerance | T1 |
| Reaction to fire | Reaction to fire | F |
| Durability of reaction to fire against heat, weathering, ageing / degradation | Durability Characteristics | NPD |
| Durability of thermal resistance against heat, weathering, ageing/ degradation | Durability Characteristics | NPD |
| | Dimensional stability under specified temperature and humidity condition | DS(70,90) |
| | | DS(-20,-) |
| | Determination of the aged values of thermal resistance and thermal conductivity | R_D and λ_D |
| Compressive strength | Compressive stress or compressive strength | CS(Y)100 |
| 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 |

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| | | |
|---|---------------------------------|-----|
| | Long term water absorption | NPD |
| | Closed cell content | CV |
| Water vapour permeability | Water vapour transmission | NPD |
| | Closed cell content | NPD |
| Continuous Glowing combustion | Glowing Combustion | NPD |
| | | |
| Release of dangerous substances to the indoor environment | Release of dangerous substances | NPD |
| NPD: No Performance Determined | | |

EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

Signed for and on behalf of the manufacturer by:



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Aiveen Kearney
Managing Director
Pembridge, England, UK
Date signed: 08/08/2022
Issue Number: 002

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