

UK Declaration of Performance

Kingspan GreenGuard® GG300

1001.UKDoP.GG300.001

Unique identification code of the product-type: **Kingspan GreenGuard® GG300**
 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)**
 Harmonised technical specification: **EN 13164:2012+A1:2015**
 UK Assessment Body / EU Notified body/ies: **FIW Munchen: 0751**

| Essential characteristics | | Performance | |
|---|---|-----------------------|------------|
| Thermal resistance | Thermal resistance R_D ((m ² .K)/W) | d _N 30mm | 0.85 |
| | | d _N 40mm | 1.15 |
| | | d _N 50mm | 1.45 |
| d _N 60mm | | 1.75 | |
| d _N 70mm | | 2.05 | |
| d _N 80mm | | 2.35 | |
| d _N 100mm | | 2.90 | |
| d _N 120mm | | 3.50 | |
| d _N 140mm | | 4.10 | |
| d _N 150mm | | 4.40 | |
| | Thermal conductivity λ_D (W/(m.K)) | d _N 30-150 | 0.034 |
| | Thickness tolerance | d _N <50 | T1 ±2mm |
| | | d _N 50-120 | T1 -2 +3mm |
| | | d _N >120 | T1 -2 +6mm |
| 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 | Dimensional stability under specified temperature and humidity conditions | DS(70,90) | |
| | Deformation under specified compressive load and temperature conditions | NPD | |
| Compressive strength | Compressive stress or compressive strength | CS(10/Y)300 | |
| Tensile / Flexural strength | Tensile strength perpendicular to faces | TR100 | |
| Durability of compressive strength against ageing / degradation | Compressive creep | NPD | |
| Water permeability | Long term water absorption by total immersion | NPD | |
| | Long term water absorption by diffusion | NPD | |
| | Freeze-thaw resistance after long term water absorption by diffusion | NPD | |
| Water vapour permeability | Water vapour transmission | NPD | |
| Closed cell content | 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 | | | |

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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:

A handwritten signature in black ink, appearing to read "Aiveen Kearney".

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Aiveen Kearney
Managing Director
Selby, England, UK
Date signed: 17/10/2022
Issue Number: 001