

UK Declaration of Performance

Kingspan GreenGuard® GG300

1001.UKDoP.GG300.003

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: **University of Salford:1145, BBA:0836**

Essential characteristics		Performance
Thermal resistance	Thermal resistance R_D ($m^2.K/W$)	d _N 30mm 0.90 d _N 40mm 1.20 d _N 50mm 1.50 d _N 60mm 1.80 d _N 70mm 2.10 d _N 80mm 2.40 d _N 100mm 3.00 d _N 120mm 3.60 d _N 140mm 4.20 d _N 150mm 4.50 d _N 180mm 4.55
	Thermal conductivity λ_D ($W/(m.K)$)	d _N 30-180 0.033
	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

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Continuous Glowing combustion	Glowing Combustion		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances		NPD

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:



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Siobhan O'Dwyer
Managing Director
Selby, England, UK
Date signed: 16/09/2024
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