

UK Declaration of Performance

Kingspan GreenGuard® GG300

1001.UKDoP.GG300.002

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

UK Assessment Body:

Kingspan GreenGuard® GG300

Thermal insulation for buildings

Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK
System 4 (Reaction to fire), System 3 (Other Properties)

EN 13164:2012+A1:2015

University of Salford:1145, BBA:0836

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ($m^2 \cdot K/W$)		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 ($W/(m \cdot K)$)		d_N 30-150 0.034
	Thickness tolerance		$d_N < 50$ $T1 \pm 2mm$ $d_N 50-120$ $T1 -2 +3mm$ $d_N > 120$ $T1 -2 +6mm$
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		NPD



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Release of dangerous substances to the indoor environment			

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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Aileen Kearney
Managing Director
Selby, England, UK
Date signed: 09/06/2023
Issue Number: 002



For the most up-to-date version of the Declaration of Performance please scan or [click here](#).

To access pre-existing product information or information relating to previously sold/discontinued products please email literature@kingspaninsulation.co.uk