



Declaration of Performance

Kingspan GreenGuard® GG300

1001.CPR.2013.GG300.008

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

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

FIW Munchen: 0751

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
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:

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Siobhan O'Dwyer
Managing Director
Selby, England, UK
Date signed: 16/09/2024
Issue Number: 008