

Declaration of Performance

Kingspan GreenGuard® GG300

1001.CPR.GG300.2019.001

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 3
EN 13164:2012+A1:2015
BBA No.0836, BITS No.1334, EXOVA No.1314, University of Salford
No.1145

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R _D ((m².K)/W)	d _N 30mm	0.85
		d _N 40mm	1.10
		d _N 50mm	1.40
		d _N 60mm	1.65
		d _N 70mm	1.90
		d _N 80mm	2.20
		d _N 100mm	2.75
		d _N 120mm	3.30
	d _N 140mm	3.85	
	Thermal conductivity λ _D (W/(m.K))	d _N 30	0.034
d _N 40-50		0.035	
	d _N >50	0.036	
	Thickness tolerance	d _N <50	T1 ±2mm
d _N 50-120		T1 -2 +3mm	
d _N >120		T1 -2 +6mm	
Length and width	≤ 1500 mm	± 8.0mm	
	> 1500 mm	± 10.0mm	
Squareness	Length and width	≤ 5 mm/m	
Flatness	≤ 1500 mm	≤ 6.0 mm/m	
	> 1500 mm	≤ 6.0 mm/m	
Reaction to fire	Reaction to fire	E	
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	DLT(2)5	
Compressive strength	Compressive stress or compressive strength	CS(10/Y)300	
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	
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	MU80	
Closed cell content	Closed cell content	CV98	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
NPD: No Performance Determined			



Declaration of Performance

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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Ralph Mannion
Managing Director UK and Ireland
Selby, England, UK
Version: 1
Version date: 1/1/2019
First signed: 1/1/2019