



# Declaration of Performance

Kingspan GreenGuard® GG300

1001.CPR.GG300.2019.005

Unique identification code of the product-type:

**GreenGuard GG® 300**

Intended use/es:

**Thermal insulation for buildings**

Manufacturer:

**Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**

System/s of AVCP:

**System 3**

Harmonised technical specification:

**EN 13164:2012+A1:2015**

Notified body/ies:

**. FIW Munchen No 0751**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .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 $\lambda_D$ (W/(m.K))	$d_N$ 30-150	0.034
		$d_N$ >150	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 for thicknesses 30-60mm F for thicknesses 70-150mm	
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	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	MU80	



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Closed cell content	Closed cell content	CV98
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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**Ralph Mannion**  
**Managing Director UK and Ireland**  
**Selby, England, UK**  
**Version: 5**  
**Version date: 1/1/2021**  
**First signed: 1/1/2021**