

UK Declaration of Performance

Kingspan GreenGuard® GG300

1001.UKDoP.GG300.002

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 ($m^2 \cdot K/W$)	<table border="0"> <tr><td>d_N 30mm</td><td>0.85</td></tr> <tr><td>d_N 40mm</td><td>1.15</td></tr> <tr><td>d_N 50mm</td><td>1.45</td></tr> <tr><td>d_N 60mm</td><td>1.75</td></tr> <tr><td>d_N 70mm</td><td>2.05</td></tr> <tr><td>d_N 80mm</td><td>2.35</td></tr> <tr><td>d_N 100mm</td><td>2.90</td></tr> <tr><td>d_N 120mm</td><td>3.50</td></tr> <tr><td>d_N 140mm</td><td>4.10</td></tr> <tr><td>d_N 150mm</td><td>4.40</td></tr> </table>	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
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Thermal conductivity λ_D ($W/(m \cdot K)$)	d_N 30-150 0.034																					
Thickness tolerance	<table border="0"> <tr><td>$d_N < 50$</td><td>T1 ± 2mm</td></tr> <tr><td>$d_N 50-120$</td><td>T1 -2 +3mm</td></tr> <tr><td>$d_N > 120$</td><td>T1 -2 +6mm</td></tr> </table>	$d_N < 50$	T1 ± 2 mm	$d_N 50-120$	T1 -2 +3mm	$d_N > 120$	T1 -2 +6mm															
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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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Aiveen 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