

UK Declaration of Performance

Kingspan GreenGuard® GG500

1001.UKDoP.GG500.003

Unique identification code of the product-type: **Kingspan GreenGuard® GG500**
 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 .K)/W)	<table border="1"> <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>1.90</td></tr> <tr><td>d_N 80mm</td><td>2.20</td></tr> <tr><td>d_N 100mm</td><td>2.75</td></tr> <tr><td>d_N 120mm</td><td>3.30</td></tr> </table>	d_N 50mm	1.45	d_N 60mm	1.75	d_N 70mm	1.90	d_N 80mm	2.20	d_N 100mm	2.75	d_N 120mm	3.30
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Thermal conductivity λ_D (W/(m.K))	<table border="1"> <tr><td>d_N 50-60</td><td>0.034</td></tr> <tr><td>d_N >60</td><td>0.036</td></tr> </table>	d_N 50-60	0.034	d_N >60	0.036									
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Thickness tolerance	<table border="1"> <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 ±2mm	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) 500												
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 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.



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Signed for and on behalf of the manufacturer by:

A handwritten signature in black ink, appearing to read 'Siobhan O'Dwyer'.

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Siobhan O'Dwyer
Managing Director
Selby, England, UK
Date signed: 16/09/2024
Issue Number: 003



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



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