



Declaration of Performance

Kingspan Kooltherm® K107 Pitched Roof Board

1000.CPR.2013.K107.006

Unique identification code of the product-type: **Kingspan Kooltherm® K107 Pitched Roof Board**
 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: **BS-EN 13166:2012+A2:2016**
 Notified body/ies: **KIWA:1640, FIW:0751**

Essential characteristics		Performance																														
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <tr><td>d_N 25mm</td><td>1.30</td></tr> <tr><td>d_N 30mm</td><td>1.55</td></tr> <tr><td>d_N 40mm</td><td>2.10</td></tr> <tr><td>d_N 50mm</td><td>2.60</td></tr> <tr><td>d_N 60mm</td><td>3.15</td></tr> <tr><td>d_N 70mm</td><td>3.65</td></tr> <tr><td>d_N 75mm</td><td>3.90</td></tr> <tr><td>d_N 80mm</td><td>4.20</td></tr> <tr><td>d_N 90mm</td><td>4.70</td></tr> <tr><td>d_N 100mm</td><td>5.25</td></tr> <tr><td>d_N 110mm</td><td>5.75</td></tr> <tr><td>d_N 120mm</td><td>6.30</td></tr> <tr><td>d_N 130mm</td><td>6.80</td></tr> <tr><td>d_N 140mm</td><td>7.35</td></tr> <tr><td>d_N 150mm</td><td>7.85</td></tr> </table>	d_N 25mm	1.30	d_N 30mm	1.55	d_N 40mm	2.10	d_N 50mm	2.60	d_N 60mm	3.15	d_N 70mm	3.65	d_N 75mm	3.90	d_N 80mm	4.20	d_N 90mm	4.70	d_N 100mm	5.25	d_N 110mm	5.75	d_N 120mm	6.30	d_N 130mm	6.80	d_N 140mm	7.35	d_N 150mm	7.85
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Thermal conductivity λ_D (W/(m.K))	λ_D 0.019																															
Thickness tolerance	T1																															
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	Durability Characteristics	NPD																														
	Dimensional stability under specified temperature and humidity condition	DS(70,90)																														
		DS(-20,-)																														
Determination of the aged values of thermal resistance and thermal conductivity		R_D and λ_D																														



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Compressive strength	Compressive stress or compressive strength	CS(Y)100
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Closed cell content	CV
Water vapour permeability	Water vapour transmission	NPD
	Closed cell content	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous Glowing Combustion	Glowing combustion	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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Aiveen Kearney
Managing Director
Pembridge, England, UK
Date signed: 08/08/2022
Version Number: 006

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