

## UK Declaration of Performance

Kingspan Kooltherm® K103 Floorboard

1000.UKDoP.K103.002

Unique identification code of the product-type: **Kingspan Kooltherm® K103 Floorboard**  
 Intended use/es: **Thermal insulation for buildings**  
 Manufacturer: **Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**  
 System/s of AVCP: **System 3 (All Properties)**  
 Designated technical specification: **BS-EN 13166:2012+A2:2016**  
 UK Assessment/Notified body/ies: **University of Salford:1145 Efectis UK:2822, FIW:0751**

Essential characteristics		Performance																												
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	<table border="0"> <tr><td><math>d_N</math> 25mm</td><td>1.30</td></tr> <tr><td><math>d_N</math> 30mm</td><td>1.55</td></tr> <tr><td><math>d_N</math> 40mm</td><td>2.10</td></tr> <tr><td><math>d_N</math> 50mm</td><td>2.60</td></tr> <tr><td><math>d_N</math> 60mm</td><td>3.15</td></tr> <tr><td><math>d_N</math> 70mm</td><td>3.65</td></tr> <tr><td><math>d_N</math> 75mm</td><td>3.90</td></tr> <tr><td><math>d_N</math> 80mm</td><td>4.20</td></tr> <tr><td><math>d_N</math> 90mm</td><td>4.70</td></tr> <tr><td><math>d_N</math> 100mm</td><td>5.25</td></tr> <tr><td><math>d_N</math> 110mm</td><td>5.75</td></tr> <tr><td><math>d_N</math> 120mm</td><td>6.30</td></tr> <tr><td><math>d_N</math> 140mm</td><td>7.35</td></tr> <tr><td><math>d_N</math> 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	$d_N$ 140mm	7.35	$d_N$ 150mm	7.85
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Thermal conductivity $\lambda_D$ (W/(m.K))	$\lambda_D$ 0.019																													
Thickness tolerance	T1																													
Reaction to fire	Reaction to fire	C-s2,d0																												
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 $\lambda_D$																													
Compressive strength	Compressive stress or compressive strength	CS(Y)120																												
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD																												
Durability of compressive strength against ageing / degradation	Compressive creep	NPD																												

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Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Closed cell content	CV
Water vapour permeability	Closed cell	NPD
	Water vapour transmission	NPD
Continuous Glowing Combustion	Glowing Combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

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**  
**Issue Number: 002**

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