



# Declaration of Performance

Kingspan Kooltherm® K106 Cavity Board

1000.CPR.2013.K106.006

Unique identification code of the product-type:

**Kingspan Kooltherm® K106 Cavity 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 <sup>2</sup> .K)/W)	<table> <tr> <td><math>d_N</math> 90mm</td> <td>4.70</td> </tr> <tr> <td><math>d_N</math> 115mm</td> <td>6.05</td> </tr> <tr> <td><math>d_N</math> 140mm</td> <td>7.35</td> </tr> </table>	$d_N$ 90mm	4.70	$d_N$ 115mm	6.05	$d_N$ 140mm	7.35
	$d_N$ 90mm	4.70						
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$d_N$ 140mm	7.35							
Thermal conductivity $\lambda_D$ (W/(m.K))	$\lambda_D$ 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 $\lambda_D$						
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						



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	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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