

## UK Declaration of Performance

Kingspan Kooltherm® K106 Cavity Board

1000.UKDoP.K106.002

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

UK Assessment/Notified body/ies:

**Kingspan Kooltherm® K106 Cavity Board**

**Thermal insulation for buildings**

**Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**

**System 4 (Reaction to fire), System 3 (Other Properties)**

**BS-EN 13166:2012+A2:2016**

**University of Salford:1145. BBA:0836, 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						
	$d_N$ 115mm	6.05						
$d_N$ 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						
	Closed cell content	NPD						

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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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