

UK Declaration of Performance

Kingspan Kooltherm® K118 Insulated Plasterboard

1000.UKDoP.K118.003

Unique identification code of the product-type: **Kingspan Kooltherm® K118 Insulated Plasterboard**
 Intended use/es: **Thermal insulation for buildings**
 Manufacturer: **Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**
 System/s of AVCP: **System 3 (All Properties)**
 Harmonised technical specification: **BS-EN 13950:2014**
 UK Assessment/Notified body/ies: **University of Salford:1145, Warrington Fire:0833**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ($m^2 \cdot K/W$)	Insulation component	
		d_N 25mm	
		d_N 30mm	1.30
		d_N 40mm	1.55
		d_N 50mm	2.10
		d_N 60mm	2.60
		d_N 70mm	3.15
		d_N 80mm	3.65
		Plasterboard Component	
		d_N 12.5mm	0.065
	Thermal conductivity λ_D ($W/(m \cdot K)$)	d_N 25-80mm Plasterboard	0.019
			0.190
	Thickness tolerance	+/-3mm	
	Closed cell content	CV	
Reaction to fire	Reaction to fire	B-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristic	NPD	
Dimensions	Length and Width	Length	+8mm or -5mm
		Width	\pm 5.0 mm

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Offset	Length	+8mm or -5mm
	Width	± 5.0 mm
Adhesion/Cohesion	Perpendicular to main face	≥0.017 MPa
Flatness	On plasterboard face	≤ 5,0 mm
Flexural strength	Transverse	Pass
	Longitudinal	Pass
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous glowing combustion	Continuous glowing combustion	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: 23/11/2022
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