

## UK Declaration of Conformity

Kooltherm<sup>®</sup> K118

1000.UKDoC.K118.001

Unique identification code of the product-type:

**Kooltherm<sup>®</sup> K118**

Intended use/es:

**Thermal insulation for buildings**

Manufacturer:

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

System/s of AVCP:

**System 3**

Harmonised technical specification

**BS-EN 13950:2014**

UK Assessment body/ies:

**University of Salford 1145.BBA:0836: Warrington Fire 0833**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 20mm	1.10
		d <sub>N</sub> 30mm	1.65
		d <sub>N</sub> 40mm	2.20
		d <sub>N</sub> 50mm	2.75
		d <sub>N</sub> 60mm	3.30
		d <sub>N</sub> 70mm	3.85
		d <sub>N</sub> 80mm	4.40
	Thermal conductivity $\lambda_D$ (W/(m.K))	d <sub>N</sub> 20-150mm	
		d <sub>N</sub>	0.018
		plasterboard	0.190
	Thickness tolerance	+3mm	
	Closed cell content	CV	
Reaction to fire	Reaction to fire	RtF B-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristic	NPD	
Durability of thermal resistance against heat, weathering, ageing/ degradation	Durability characteristic	NPD	
	Thermal conductivity $\lambda_D$ (W/(m.K))	0.018	
	Determination of the aged values of thermal resistance and thermal conductivity	RD and $\lambda_D$	
Length and Width	Length and Width	Length or -5mm	+8mm

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		Width mm            ± 5.0
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	≥160 N
	Longitudinal	≥400 N
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous glowing combustion	Continuous glowing combustion	NPD
NPD: No Performance Determined		

Signed for and on behalf of the manufacturer by:



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**Ralph Mannion**  
 Managing Director UK and Ireland  
 Pembridge, England, UK  
 Version 1  
 Version date 1/1/2021  
 First signed 1/1/2021