



Declaration of Performance

Kooltherm® K118

1000.CPR.2013.K118.002

Unique identification code of the product-type:	Kooltherm® 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
Notified body/ies:	University of Salford NB 1145.B.I.T.S NB 1334.Exova NB 1104

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d _N 20mm	1.10
		d _N 30mm	1.65
		d _N 40mm	2.20
		d _N 50mm	2.75
		d _N 60mm	3.30
		d _N 70mm	3.85
		d _N 80mm	4.40
		d _N 90mm	5.00
		d _N 100mm	5.55
		d _N 120mm	6.65
		d _N 140mm	7.75
		d _N 150mm	8.30
	Thermal conductivity λ_D (W/(m.K))	d _N 20-150mm	
		d _N plasterboard	0.018
			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 λ_D (W/(m.K))	0.018	
	Determination of the aged values of thermal resistance and thermal conductivity	RD and λ_D	
Length and Width	Length and Width	Length	+8mm or
		-5mm	
		Width	± 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	≥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		

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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Ralph Mannion
Managing Director UK and Ireland
Pembridge, England, UK
Version 2
Version date 1/1/2019
First signed 1/1/2019