

Declaration of Performance

Kooltherm® K16

1002.CPR.2013.K16.002

Unique identification code of the product-type: **Kooltherm® K16**
 Intended use/es: **Thermal insulation for buildings**
 Manufacturer: **Kingspan Insulation Ltd, Bree Industrial Estate, Castleblayney, Co Monaghan, AK75 X966**
 System/s of AVCP: **System 3**
 Harmonised technical specification: **BS-EN 13950**
 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	0.95
		d _N 30mm	1.40
		d _N 40mm	1.90
		d _N 50mm	2.50
		d _N 60mm	3.00
		d _N 70mm	3.50
		d _N 80mm	4.00
		d _N 90mm	4.50
		d _N 100mm	5.00
		d _N 120mm	6.00
		d _N 140mm	6.65
		d _N 150mm	7.10
	Thermal conductivity λ_D (W/(m.K))	d _N 20-24mm	0.023
		d _N 25-44mm	0.021
		d _N 45-150mm	0.020
		d _N plasterboard	0.190
	Thickness tolerance	+-3mm	
	Closed cell content	CV	
Reaction to fire		RtF B-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Length and Width	Length	+8mm or -5mm	
	Width	±5.0mm	
Offset	Length	+8mm or -5mm	
	Width	±5.0mm	
Adhesion/Cohesion	Perpendicular to main face	≥0.017 MPa	
Flatness	On plasterboard face	≤5.0mm	
Flexural Strength	Transverse	≥160 N	
	Longitudinal	≥400 N	
Release of dangerous substances to the indoor environment		No harmonized test method available	
Continuous glowing combustion		No harmonized test method available	
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:

Richard Burnley
 Managing Director UK and Ireland 1/1/2016

