



# Declaration of Performance

Kooltherm® K15

1002.CPR.2013.K15.006

Unique identification code of the product-type: **Kooltherm® K15**  
 Intended use/es: **Thermal insulation for buildings**  
 Manufacturer: **Kingspan Insulation Ltd, Bree Industrial Estate, Castleblayney, Co Monaghan, A75 X966**  
 System/s of AVCP: **System 3**  
 Harmonised technical specification: **EN 13166:2012+A2:2016**  
 Notified body/ies: **KIWA BDA (NB 1640), AFITI (NB 1168)**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 30mm	1.40
		d <sub>N</sub> 40mm	1.90
		d <sub>N</sub> 50mm	2.50
		d <sub>N</sub> 60mm	3.00
		d <sub>N</sub> 70mm	3.50
d <sub>N</sub> 80mm		4.00	
d <sub>N</sub> 90mm		4.50	
d <sub>N</sub> 100mm		5.00	
d <sub>N</sub> 120mm		6.00	
d <sub>N</sub> 140mm		6.65	
d <sub>N</sub> 150mm	7.10		
	Thermal conductivity $\lambda_D$ (W/(m.K))	d <sub>N</sub> 25-44mm	0.021
		d <sub>N</sub> 45-150mm	0.020
	Thickness tolerance	d <sub>N</sub> 20-200mm	T1
	Closed cell content	CV	
Reaction to fire		RtF C-s2,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD	
Dimensional stability under specified temperature and humidity condition		NPD	
		NPD	
		NPD	
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	
Water vapour permeability	Water vapour transmission	NPD	
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			



# Declaration of Performance

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:

A handwritten signature in black ink, appearing to read 'R Mannion', is written over a horizontal line.

Ralph Mannion  
Managing Director UK and Ireland 01/01/2021