



Declaration of Performance

Kooltherm® K10 B

1002.CPR.2013.K10B.002

Unique identification code of the product-type:
Intended use/es:
Manufacturer:

Kooltherm®K10B
Thermal insulation for buildings
Kingspan Insulation Ltd, Bree Industrial Estate, Castleblayney,
Co Monaghan, AK75X966
System 3
BS-EN13166:2012+A1:2015
University of Salford NB1145. B.I.T. SNB1334. AFITI NB 1168

System/s of AVCP:
Harmonised technical specification
Notified body/ies:

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 resistance	Thermal conductivity λ_D (W/(m.K))	d _N 25-44mm	0.021
		d _N 45-150mm	0.020
Thermal resistance	Thickness tolerance	d _N 20-200mm	T1
	Closed cell content	CV	
Reaction to fire exposed side		RtF B-s1,d0	
Reaction to non-exposed side		NPD	
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Dimensional stability under specified temperature and humidity condition		DS(70,-)	
		DS(70,90)	
		DS(-20,-)	
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	
	Short term water absorption	NPD	
Water permeability	Long term water absorption	NPD	
	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			

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:

Ralph Mannion
Managing Director UK and Ireland 1/11/2019