



Declaration of Performance

Kooltherm® K15

1000.CPR.2013.K15.002

Unique identification code of the product-type:
Intended use/es:
Manufacturer:
System/s of AVCP:
Harmonised technical specification
Notified body/ies:

Kooltherm® K15
Thermal insulation for buildings
Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK
System 3
BS-EN 13166:2012+A2:2016
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 25-44mm	0.021
		d_N 45-150mm	0.020
	Thickness tolerance	d_N 20-200mm	T1
	Closed cell content		CV
Reaction to fire			RtF C-s1,d0
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
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			

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
Pembroke, England, UK