

Declaration of Performance

Kooltherm® K12

1000.CPR.2013.K12.003

Unique identification code of the product-type:	Kooltherm® K12
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 13166:2012+A2:2016
Notified body/ies:	University of Salford NB 1145.B.I.T.S NB 1334

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			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
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
 Pembridge, England, UK

