



Declaration of Performance

Kooltherm® K106

1000.CPR.2013.K106.002

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

Kooltherm® K106
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 25mm 1.35
		d_N 30mm 1.65
		d_N 40mm 2.20
d_N 50mm 2.75		
d_N 60mm 3.30		
d_N 70mm 3.85		
d_N 80mm 4.40		
d_N 90mm 5.00		
d_N 100mm 5.55		
d_N 120mm 6.65		
d_N 140mm 7.75		
d_N 150mm 8.30		
	Thermal conductivity λ_D (W/(m.K))	λ_D 0.018
	Thickness tolerance	d_N 20-200mm T1
Reaction to fire	Reaction to fire	RtF E
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD
Durability of thermal resistance against heat, weathering, ageing/ degradation	Durability Characteristics	NPD
	Dimensional stability under specified temperature and humidity condition	DS(70,90)
		DS(-20,-)
Determination of the aged values of thermal resistance and thermal conductivity	R_D and λ_D	
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
	Closed cell content	CV
Water vapour permeability	Water vapour transmission	NPD
	Closed cell content	CV



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Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
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:

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Ralph Mannion
Managing Director UK and Ireland
Pembridge, England, UK
Version 2
Version date 1/1/2019
First signed 1/1/2019