

UK Declaration of Performance

Kooltherm® K108

1000.UKDoP.K108.001

Unique identification code of the product-type:
Intended use/es:
Manufacturer:
System/s of AVCP:
Designated technical specification
UK Assessment Bodies

Kooltherm® K108
Thermal insulation for buildings
Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK
System 3, System 4 RtF
BS-EN 13166:2012+A2:2016
University of Salford:1145, BITS:1334

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 130mm		7.20	
d_N 140mm		7.75	
d_N 150mm		8.30	
	Thermal conductivity λ_D (W/(m.K))	λ_D 0.018	
	Thickness tolerance	T1	
Reaction to fire	Reaction to fire	F	
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	

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	Closed cell content	CV
Water vapour permeability	Water vapour transmission	NPD
	Closed cell content	NPD
Continuous Glowing Combustion	Glowing combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

Signed for and on behalf of the manufacturer by:



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Ralph Mannion
Managing Director
Pembridge,, England, UK
Date signed: 27/09/2021
Issue Number: 001

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