

UK Declaration of Performance

Kooltherm® K103

1000.UKDoP.K103.001

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

Kooltherm® K103
Thermal insulation for buildings
Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK
System 3
BS-EN 13166:2012+A2:2016
University of Salford:1145, Efectis UK:2822, 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 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	C-s2,d0
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)120
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	Closed cell	NPD
	Water vapour transmission	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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