



Declaration of Performance

Kooltherm® K5

1002.CPR.2013.K5.006

Unique identification code of the product-type:

Intended use/es:

Thermal insulation for buildings

Manufacturer:

Kingspan Insulation Ltd, Bree Industrial Estate, Castleblayney,

Co Monaghan, Ireland A75 X966

System 3

Kooltherm® K5

System/s of AVCP: Designated technical specification

EN 13166:2012+A2:2016

Notified body(ies)

KIWA BDA (NB 1640), AFITI (NB 1168)

Essential characteristics		Performance
Thermal resistance	Thermal resistance R_D ((m^2 .K)/W)	d _N 25mm 1.10 d _N 30mm 1.35 d _N 40mm 1.80 d _N 50mm 2.35 d _N 60mm 2.85 d _N 70mm 3.30 d _N 80mm 3.80 d _N 90mm 4.25 d _N 100mm 4.75
	Thermal conductivity λ_D (W/(m.K))	d _N 25-44mm 0.022 d _N 45-100mm 0.021
	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,-)
	Thermal conductivity λ_D (W/(m.K))	d _N 25-44mm 0.022 d _N 45-100mm 0.021





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	Determination of the aged values of thermal resistance and thermal conductivity	RD and λD	
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	NPD	
Continuous Glowing Combustion	Glowing Combustion	NPD	
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:

Aiveen Kearney

Managing Director, Ireland Date signed: 5th December 2022 Issue Number: 006

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