UK Declaration of Performance

Kingspan Kooltherm® K106 Cavity Board

1000.UKDoP.K106.002

Unique identification code of the product-type:	**Kingspan Kooltherm® K106 Cavity Board**
Intended use/es:	**Thermal insulation for buildings**
Manufacturer:	**Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**
System/s of AVCP:	**System 4 (Reaction to fire), System 3 (Other Properties)**
Designated technical specification:	**BS-EN 13166:2012+A2:2016**
UK Assessment/Notified body/ies:	**University of Salford:1145. BBA:0836, FIW:0751**

Essential characteristics		**Performance**
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 90mm 4.70 d_N 115mm 6.05 d_N 140mm 7.35
	Thermal conductivity λ_D (W/(m.K))	λ_D 0.019
	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
	Closed cell content	CV
Water vapour permeability	Water vapour transmission	NPD
	Closed cell content	NPD

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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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Aiveen Kearney
Managing Director
Pembridge, England, UK
Date signed: 08/08/2022
Issue Number: 002

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