Declaration of Performance

Kooltherm® FLEX K FOIL

1000.CPR.2013.FLEXKFOIL.002

Unique identification code of the product-type:	**Kooltherm® FLEX K FOIL**
Intended use/es:	**Thermal insulation for buildings**
Manufacturer:	**Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK**
System/s of AVCP:	**System 3**
Harmonised technical specification	**BS-EN 13166:2012+A2:2016**
Notified body/ies:	**University of Salford NB 1145.B.I.T.S NB 1334.Exova NB 1104**

Essential characteristics		**Performance**
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 25mm 1.15 d_N 30mm 1.40 d_N 40mm 1.90 d_N 50mm 2.50 d_N 60mm 3.00 d_N 70mm 3.50 d_N 80mm 4.00 d_N 90mm 4.50 d_N 100mm 5.00 d_N 120mm 6.00 dN 130mm 6.50 d_N 140mm 7.00 d_N 150mm 7.50
	Thermal conductivity λ_D (W/(m.K))	d_N 25-44mm 0.021 d_N 45-150mm 0.020
	Thickness tolerance	d_N 20-200mm T1
Reaction to fire	Reaction to fire	RtF NPD
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 0.021 d_N 45-150mm 0.020
	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

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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
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