UK Declaration of Performance

EcoTherm Eco-Bond

1000.UKDoP.ETEB.001
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Unique identification code of the product-type:	**EcoTherm Eco-Bond**
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 13165:2012+A2:2016**
UK Assessment/Notified body/ies:	**University of Salford: 1145, BBA: 0836**

Essential characteristics		**Performance**
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 25mm 0.90 d_N 30mm 1.10 d_N 40mm 1.45 d_N 50mm 1.85 d_N 60mm 2.20 d_N 70mm 2.55 d_N 80mm 3.20 d_N 90mm 3.60 d_N 100mm 4.00 d_N 120mm 5.00 d_N 130mm 5.40 d_N 140mm 5.80 d_N 150mm 6.25 d_N 160mm 6.65
	Thermal conductivity λ_D (W/(m.K))	Flat board - Pembridge Plant 1000 dN < 80mm 0.027 dN 80-119mm 0.025 dN ≥ 120mm 0.024 Flat board – Selby Plant 1001 dN < 80mm 0.027 dN 80-119mm Not manufactured dN ≥ 120mm 0.024
	Thickness tolerance	T2
Reaction to fire	Reaction to fire	F
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability of the reaction to fire of the product as placed on the market	NPD
	Durability of thermal resistance and thermal conductivity against ageing/ degradation	NPD

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Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance R_D ((m².K)/W) Thermal conductivity λD (W/(m.K))	Thermal resistance as table above Flat board - Pembridge Plant 1000 dN < 80mm 0.027 dN 80-119mm 0.025 dN ≥ 120mm 0.024 Flat board – Selby Plant 1001 dN < 80mm 0.027 dN 80-119mm Not manufactured dN ≥ 120mm 0.024
	Durability characteristics	NPD
	Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1
	Deformation under specified compressive load and temperature conditions	NPD
	Determination of the aged values of thermal resistance and thermal conductivity	λD 0,024, 0.025, 0,027 W/m·K
Compressive strength	Compressive stress or compressive strength	CS(10\Y)150
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR80
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Flatness after one sided wetting	NPD
Water vapour permeability	Water vapour transmission	NPD
Acoustic absorption index	Sound absorption	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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Siobhan O'Dwyer
Managing Director
Pembridge, Selby, England, UK
Date signed: 25/11/2024
Issue Number: 001

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For the most up-to-date version of the Declaration of Performance please scan or click here.

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