

UK Declaration of Performance

EcoTherm Eco-Bond

1000.UKDoP.ETEB.001

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Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

UK Assessment/Notified body/ies:

EcoTherm Eco-Bond

Thermal insulation for buildings

Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK

System 4 (Reaction to fire), System 3 (Other Properties)

BS EN 13165:2012+A2:2016

University of Salford: 1145, BBA: 0836

Essential characteristics		Performance																												
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <tr><td>d_N 25mm</td><td>0.90</td></tr> <tr><td>d_N 30mm</td><td>1.10</td></tr> <tr><td>d_N 40mm</td><td>1.45</td></tr> <tr><td>d_N 50mm</td><td>1.85</td></tr> <tr><td>d_N 60mm</td><td>2.20</td></tr> <tr><td>d_N 70mm</td><td>2.55</td></tr> <tr><td>d_N 80mm</td><td>3.20</td></tr> <tr><td>d_N 90mm</td><td>3.60</td></tr> <tr><td>d_N 100mm</td><td>4.00</td></tr> <tr><td>d_N 120mm</td><td>5.00</td></tr> <tr><td>d_N 130mm</td><td>5.40</td></tr> <tr><td>d_N 140mm</td><td>5.80</td></tr> <tr><td>d_N 150mm</td><td>6.25</td></tr> <tr><td>d_N 160mm</td><td>6.65</td></tr> </table>	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
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Thermal conductivity λ_D (W/(m.K))	<table border="0"> <tr><td colspan="2">Flat board - Pembrokeshire Plant 1000</td></tr> <tr><td>$d_N < 80$mm</td><td>0.027</td></tr> <tr><td>$d_N 80-119$mm</td><td>0.025</td></tr> <tr><td>$d_N \geq 120$mm</td><td>0.024</td></tr> <tr><td colspan="2">Flat board - Selby Plant 1001</td></tr> <tr><td>$d_N < 80$mm</td><td>0.027</td></tr> <tr><td>$d_N 80-119$mm</td><td>Not manufactured</td></tr> <tr><td>$d_N \geq 120$mm</td><td>0.024</td></tr> </table>	Flat board - Pembrokeshire Plant 1000		$d_N < 80$ mm	0.027	$d_N 80-119$ mm	0.025	$d_N \geq 120$ mm	0.024	Flat board - Selby Plant 1001		$d_N < 80$ mm	0.027	$d_N 80-119$ mm	Not manufactured	$d_N \geq 120$ mm	0.024													
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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																												

Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance R_D ((m ² .K)/W)	Thermal resistance as table above Flat board - Pembridge Plant 1000 dN < 80mm 0.027 dN 80-119mm 0.025 dN ≥ 120mm 0.024
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	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	λ_D 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



For the most up-to-date version of the Declaration of Performance please scan or [click here](#).

To access pre-existing product information or information relating to previously sold/discontinued products please email literature@kingspaninsulation.co.uk