

UK Declaration of Performance

Inno-Bond

1000.UKDoP.ETIB.001 1001.UKDoP.ETIB.001

Unique identification code of the product-type: **Inno-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, B.I.T.S: 1334, 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 - Pembrige 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 - Pembrige 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																												

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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 $d_N < 80\text{mm}$ 0.027 $d_N 80-119\text{mm}$ 0.025 $d_N \geq 120\text{mm}$ 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

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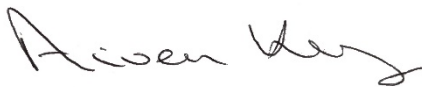
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Acoustic absorption index	Sound absorption	NPD
Continuous Glowing combustion	Glowing Combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

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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Aiveen Kearney
Managing Director
Pembridge, Selby, England, UK
Date signed: 03/07/2023
Issue Number: 001



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