

UK Declaration of Performance

Inno-Bond

1000.UKDoP.IB.002 1001.UKDoP.IB.002

Unique identification code of the product-type:	Inno-Bond
Intended use/es:	Thermal insulation for buildings
Manufacturer:	EcoTherm Insulation (UK) Ltd, Harvey Road, Basildon, SS13 1QJ
System/s of AVCP:	System 4 (Reaction to fire), System 3 (Other Properties)
Designated technical specification:	BS-EN 13165:2012+A2:2016
UK Assessment body/ies:	University of Salford: 1145, BBA: 0836, BITS:1334

Essential characteristics		Performance																								
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <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> </table>	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
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Thermal conductivity λ_D (W/(m.K))	<table border="0"> <tr><td>$d_N < 80$mm</td><td>0.027</td></tr> <tr><td>d_N 80-119mm</td><td>0.025</td></tr> <tr><td>$d_N \geq 120$mm</td><td>0.024</td></tr> </table>	$d_N < 80$ mm	0.027	d_N 80-119mm	0.025	$d_N \geq 120$ 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 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																									

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	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		

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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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Ralph Mannion
Managing Director
Pembridge, Selby, England, UK
Date signed: 18/01/2022
Issue Number: 002

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