

## UK Declaration of Performance

### Inno-Bond

1000.UKDoP.IB.001 1001.UKDoP.IB.001

Unique identification code of the product-type:	<b>Inno-Bond</b>
Intended use/es:	<b>Thermal insulation for buildings</b>
Manufacturer:	<b>EcoTherm Insulation (UK) Ltd, Harvey Road, Basildon, SS13 1QJ</b>
System/s of AVCP:	<b>System 3</b>
Designated technical specification:	<b>BS-EN 13165:2012+A2:2016</b>
UK Assessment body/ies:	<b>Warrington Fire NB 0833 University of Salford NB 1145 BBA NB 0836 BITS 1334</b>

Essential characteristics		Performance																									
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	<table border="0"> <tr><td><math>d_N</math> 30mm</td><td>1.10</td></tr> <tr><td><math>d_N</math> 40mm</td><td>1.45</td></tr> <tr><td><math>d_N</math> 50mm</td><td>1.85</td></tr> <tr><td><math>d_N</math> 60mm</td><td>2.20</td></tr> <tr><td><math>d_N</math> 70mm</td><td>2.55</td></tr> <tr><td><math>d_N</math> 80mm</td><td>3.20</td></tr> <tr><td><math>d_N</math> 90mm</td><td>3.60</td></tr> <tr><td><math>d_N</math> 100mm</td><td>4.00</td></tr> <tr><td><math>d_N</math> 120mm</td><td>5.00</td></tr> <tr><td><math>d_N</math> 130mm</td><td>5.40</td></tr> <tr><td><math>d_N</math> 140mm</td><td>5.80</td></tr> <tr><td><math>d_N</math> 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 $\lambda_D$ (W/(m.K))	<table border="0"> <tr><td><math>d_N &lt; 80</math>mm</td><td>0.027</td></tr> <tr><td><math>d_N</math> 80-119mm</td><td>0.025</td></tr> <tr><td><math>d_N \geq 120</math>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	E																									
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 <sup>2</sup> .K)/W)	Thermal resistance as table above																									
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Durability characteristics	NPD																										
	Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1																									

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	Deformation under specified compressive load and temperature conditions	NPD
	Determination of the aged values of thermal resistance and thermal conductivity	$\lambda_D$ 0,024, 0,025, 0,027 W/m·K
Compressive strength	Compressive stress or compressive strength	CS(10Y)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: 23/08/2021  
Issue Number: 001