

## UK Declaration of Performance

### Inno-Bond

1000.UKDoP.IB.003 1001.UKDoP.IB.003

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/Notified body/ies: **University of Salford: 1145, B.I.T.S: 1334, BBA: 0836**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .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 $\lambda_D$ (W/(m.K))	Flat board - Pembroke 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
	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 <sup>2</sup> .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
	Thermal conductivity $\lambda_D$ (W/(m.K))	Flat board – Selby Plant 1001  $d_N < 80\text{mm}$ 0.027 $d_N 80-119\text{mm}$ Not manufactured $d_N \geq 120\text{mm}$ 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	$\lambda_D$ 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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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  
Pembroke, Selby, England, UK  
Date signed: 03/03/2023  
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