

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)	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 λ_D (W/(m.K))	Flat board - Pembridge 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 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
	Thermal conductivity λ_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	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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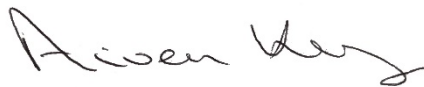
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Acoustic absorption index	Sound absorption	NPD
Continuous Glowing combustion	Glowing Combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

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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