

Declaration of Performance

Inno-Bond

1000/1001/1034.2013.INNOBOND.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 3**
 Harmonised technical specification: **BS-EN 13165:2012+A1:2015**
 Notified body/ies: **FIW München NB. 0751 University of Salford NB 1145.Exova NB 1104**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d_N 30mm	1.15
		d_N 40mm	1.50
		d_N 50mm	1.90
d_N 60mm		2.30	
d_N 70mm		2.65	
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		5.83	
d_N 150mm		6.25	
d_N 200mm	8.33		
Thermal resistance	Thermal conductivity λ_D (W/(m.K))	$d_N < 80$ mm	0.026
		d_N 80-119mm	0.025
		$d_N \geq 120$ mm	0.024
Thickness tolerance		d_N 25-200mm	T2
Reaction to fire			E
Durability of reaction to fire against heat, weathering, ageing / degradation			Reaction to fire does not change with time
Dimensional stability under specified temperature and humidity condition			DS(70,90)3
			DS(-20,-)1
Deformation under specified compressive load and temperature conditions			DLT(2)5
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
Release of dangerous substances to the indoor environment			No harmonized test method available
Continuous glowing combustion			No harmonized test method available
NPD: No Performance Determined			

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Richard Burnley
 Managing Director UK and Ireland 1/1/2016

