

Declaration of Performance

Kingspan TEK Panel

1001.CPR.2018.TEK.001

Unique identification code of the product-type: **TEK**
 Intended use/es: SIP-Prefabricated Wood based Load bearing Stressed skin panels
 Manufacturer: **Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK**
 System/s of AVCP: **System 1**
 Harmonised technical specification: **ETA-European Technical Assessment 11/0466-issued 2018.**
Certificate of constancy of performance no – 0836-CPR-18/P018
 Notified body/ies: **FIW München NB. 0751.BBA NB.0836**

Essential characteristics		Performance
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d _N 142mm 4.89 d _N 172mm 6.15
	Thermal conductivity λ_D (W/(m.K))	0.024-PU core OSB 0.13W/mK
	Thickness tolerance	± 2mm
	Flatness	± 5mm over 2500mm length
		± 3mm over 1220mm Width
Squareness	Raw Panel = ± 2°, Cut Panel = ± 2mm	
Reaction to fire of OSB		RtF D,s2,d0-OSB layer 15mm Panel – RtF E
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time
Modulus of elasticity of compression		≥ 4.5 N/mm ²
Shear modulus(SM)		SM ≥ 4 N/mm ²
Shear resistance (SS)		SS ≥ 0.12 N/mm ²
Compressive strain under 10% compression (CS)	Compressive stress or compressive strength	CS ≥ 0.08 N/mm ²
Tensile / Flexural strength	Tensile strength	TR ≥ 0.07 N/mm ²
Density		AD(C) ≥ 33 kg/m ³
length and width	L-Raw Panel = +3mm / -50mm (max overhang), Cut Panel = +0mm/-5mm W+0mm / -3mm	L-Raw Panel = +3mm / -50mm (max overhang), Cut Panel = +0mm/-5mm W- +0mm / -3mm
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
Water vapour permeability	Water vapour resistance	MU 30-50
Release of dangerous substances to the indoor environment		N/A



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Continuous glowing combustion	N/A
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 .ISSUE DATE
20.02.2018
Selby, England, UK