



Declaration of Performance

Kingspan TEK Panel

1001.CPR.2018.TEK.003

Unique identification code of the product-type: Kingspan **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 λ_D PU core
		OSB 0.13
		Solid timber 0.12
Thickness tolerance	± 2mm	
Flatness	Flatness	± 5mm over 2500mm length ± 3mm over 1220mm Width
Squareness	Squareness	Raw Panel = ± 2°, Cut Panel = ± 2mm
Reaction to fire of OSB	RtF	RtF D,s2,d0-OSB layer 15mm
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristic	NPD
	Durability characteristic	NPD
	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 λ_D PU core OSB 0.13
	Determination of the aged values of thermal resistance and thermal conductivity	RD and λ_D
Modulus of elasticity of compression		≥ 4.5 N/mm ²
Shear modulus(SM)		SM-≥ 4 N/mm ²

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Shear resistance (SS)		SS \geq 0.12 N/mm ²
Compressive strain under 10% compression (CS)	Compressive stress	CS \geq 0.08 N/mm ²
Tensile / Flexural strength	Tensile strength	TR \geq 0.07 N/mm ²
Density	Apparent Density	AD(C) \geq 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 transmission	MU 60 PU Foam core MU50 OSB warm side MU30 PU Cold side
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
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:



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Ralph Mannion
Managing Director UK and Ireland
Selby, England, UK
Version 3
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