

Declaration of Performance

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|---|---|
| 1 Unique identification code of the product type: | Quadcore KS1000SRW
0524 |
| 2 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: | Insulated sandwich panels for walls and roofs according to EN14509:2013 |
| 3 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article: | See product label and marking on panel |
| 4 Name registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): | Kingspan Limited,
Greenfield Business Park No 2,
Holywell, Flintshire, CH8 7GJ,
UK |
| 5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | Not relevant |
| 6 System of assessment and verification of constancy of performance of the construction product as set out in Annex V: | System 1
(CoC No:1812-CPR-2135) |
| 7 Notified bodies | EFFECTIS France (No. 1812)
WFRGENT N.V, Belgium
(No. 1173) |
| 8 In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: | Not relevant |
| 9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 10 | |

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of Kingspan Ltd.
Signed on behalf of Kingspan Insulated Panels by:

Name: Phil Smith
Position: Managing Director



Place and date:

Holywell, 29/05/2024



24 EN 14509:2013 AVCPI

10 Declared performance for Quadcore KS1000SRW 0524

Thickness in mm	40	60	80	Technical Specification
Thermal transmittance (W/m ² K)	0.37	0.27	0.21	EN 14509:2013
Mass (kg/m ²)	9.5	10.3	11.1	
Wrinkling Strength (MPa)				
External span	240	193	177	
External central support	202	189	177	
Internal span	163	157	151	
Internal central support	144	142	126	
Fire resistance	NPD			EN 13501-2
Reaction to fire	B-s1,d0			EN 13501-1 (NB: 1812)
External fire performance	B _{roof} (t4)			EN 13501-5 (NB: 1173)
Material properties - All thicknesses				
External steel gauge	0.465mm			EN 10346
Internal Steel gauge	0.32mm			
External steel grade	S280GD			
Internal Steel grade	S220GD			
External coatings	Kingspan XL Forté, Kingspan Destral			EN 10169
	Kingspan Spectrum			
Internal coating	Kingspan CLEANsafe 15, Kingspan CLEANsafe 25			
	Kingspan CLEANsafe 55, Kingspan CLEANsafe 120			
	Kingspan AQUAsafe 55			
Density (Kg/m3)	38			EN 14509:2013
Thermal conductivity (W/mk)	0.019			
Tensile strength (MPa)	≥0.07			
Compressive strength (MPa)	≥0.085			
Shear strength (MPa)	≥0.075			
Shear modulus (MPa)	≥2.5			
Long term shear strength (Mpa)	≥0.030			
Creep coefficient t = 2000hrs	1.70			
Creep coefficient t = 100000hrs	2.40			
Water permeability	Class B			
Air permeability (m³/h/m² @ 50pa)	<3			
Water vapour permeability	Impermeable			

* Fire classifications are subject to method of assembly, orientation and steel coating. Please consult Kingspan Tech-eXchange for details