



MCS Product Certificate

Date Issued	23rd August 2024	Annual review date	24th July
Issue number	1	Original/Amendment	Original
Certificate number	KIWA00049	Page	1 of 3

MCS Product Certification Certificate Issued by Kiwa Ltd

MCS Product Certification Scheme Standards – MCS010, MCS011, MCS012
Model designations – see Appendix

Producer:

Kingspan Ltd

Greenfield Business Park No 2
Holywell
Flintshire
CH8 7GJ

Manufacturer:

Dome Solar

3 Rue Marie Anderson
Rezé
44400
France

Kiwa Ltd declares that the products detailed in the Appendices have been assessed by Kiwa and meet the requirements of the above MCS Product Certification Standards.

Signed on behalf of Kiwa Ltd

MCS Certification Director
Kiwa Ltd

This certificate is subject to the producer continuing to comply with the Kiwa MCS Product Scheme Rules and ongoing Annual Surveillance



CERTIFICATE

390170301

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Appendix to Certificate KIWA00049

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The following products have been assessed and registered by Kiwa Ltd against the provisions of: MCS 010, MCS 011, MCS 012

Product Name	Model Name		MCS Certificate Number
PowerRail RW	PowerRail RW		KIWA00049/001 IK
Type	Above Roof: System		
System components	Components for this system are listed in ANNEX I		
System/Component Description	Brackets for trapezoidal type roof covering – solely for installations on the Kingspan QuadCore® KS1000RW roof panel product.		
Compatible Roof Coverings	<ul style="list-style-type: none"> Continuous: <ul style="list-style-type: none"> o Sheet or profiled metal 		
Tests Undertaken	Resistance to wind uplift	Yes / No	
	Fire performance	Yes / No	
	Weather tightness	Yes / No	
Resistance to Wind Uplift			
If attached to roof covering: Compatible roof covering	Profiled metal (Trapezoidal)		
Test Preparation	2 Solar PV modules mounted using the PowerRail system to attach them to the Kingspan QuadCore® KS1000RW roof panels. Two of these roof panels mounted on the test framework to provide the bases for attachment of the PowerRail system.		
Maximum Design Wind Uplift Resistance	2.47 kPa	Partial (safety) factor(s)	1.1
Failure Mode	Ultimate Limit State <ul style="list-style-type: none"> Failure in a metal component 		
If attached to timber sub-structure: For certified wind uplift resistance in sound timber - dimensions	Not Applicable		
Weathertightness			
If continuous roof covering			
Reference Roof Covering	Type:	Kingspan QuadCore® KS1000RW	Pitch: 10 °
Impermeability test (if applicable)	Leakage observed at end of test		- g
Test D (if applicable)	Leakage observed after 2 min		0 g
Fire Performance			
Fire Classification	BS 476-3: 2004	Not determined	
	CEN TS 1187:2012 Test 4	Not determined	
	Not required	The fire performance of this above roof mounting system is not currently required for MCS 012. Research is ongoing into any influence above roof solar panels could have on the fire classification of the roof mounting system.	

Signed on behalf of Kiwa Ltd

Mark Crowther - MCS Certification Director - Kiwa Ltd

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Annex II to Certificate KIWA00049

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The following components are common for the product systems that have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

Mounting system installation components
PowerRail
End Clamp
End Clamp Insert
Mid Clamp
(Fixings) EJOT® JF3-5,5-2 x 25 5/6

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