

Certificate of Approval

Certificate Number: MCS IK0259

Issue: 01

Metal Roof Innovations, Ltd. trading as S-5!

8750 Walker Road,
Colorado Springs,
Colorado 80908,
USA

having complied with the requirements of the following:

MCS 010: Issue 1.5

Generic Factory Production Control (FPC) Requirements
and

MCS 012: Issue 2.2

Product Certification Scheme Requirements: Pitched Roof
Installation Kits

is authorised to use the BRE Global Certification Mark and the MCS Certification Mark in association with the following products:

Products

Please see Appendix for details

This certificate and appendix is maintained and held in force through periodic review and verification

The products listed in this certificate and appendix are certified through the agreement between BRE Global Ltd. and TÜV Rheinland Energy GmbH



Signed for BRE Global Ltd.

Laura Critien
MCS Operations Manager

22 June 2018
Date of Issue

22 June 2018
Date of First Issue



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Appendix to Certificate No: MCS IK0259 Metal Roof Innovations, Ltd. trading as S-5!

Issue: 01

Products

Model	Description	Reference No.
S-5-PV Kit 1.0	Roof Installation Kit (Above Roof)	MCS IK0259/01
<i>Technical information for the S-5-PV Kit 1.0</i>		
Roof Substrate:	Standing seam metal sheet, mounted on battens (100x40mm), installed on rafters (80x100mm).	
Minimum Roof Pitch:	15°	
Maximum Design Wind Uplift:	2727.3 Pa	
Value of Partial Safety Factor:	1.1	
<i>Components:</i>		
Mounting Disc AL 3" Universal Stud PV Stud M8 Hex Flange Nut S-5-PV 30 Grab S-5-Z S-5-Z Mini S-5-E S-5-E Mini S-5-S S-5-S Mini S-5-R 465 S-5-R 465 Mini S-5-U S-5-U Mini		

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**Appendix to Certificate No: MCS IK0259
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Issue: 01

Model	Description	Reference No.
S-5-PV Kit 2.0	Roof Installation Kit (Above Roof)	MCS IK0259/02
<i>Technical information for the S-5-PV Kit 2.0</i>		
Roof Substrate:	Standing seam metal sheet, mounted on battens (100x40mm), installed on rafters (80x100mm).	
Minimum Roof Pitch:	15°	
Maximum Design Wind Uplift:	2727.3 Pa	
Value of Partial Safety Factor:	1.1	
<i>Components:</i>		
Mounting Disc SS 3" Universal Stud PV Stud M8 Hex Flange Nut S-5-PV 30 Grab Top PV EdgeGrab Lower PV EdgeGrab S-5-Z S-5-Z Mini S-5-E S-5-E Mini S-5-S S-5-S Mini S-5-R 465 S-5-R 465 Mini S-5-U S-5-U Mini		

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**Appendix to Certificate No: MCS IK0259
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Model	Description	Reference No.
S-5-PV Kit 3.0	Roof Installation Kit (Above Roof)	MCS IK0259/03
<i>Technical information for the S-5-PV Kit 3.0</i>		
Roof Substrate:	Standing seam metal sheet, mounted on battens (100x40mm), installed on rafters (80x100mm).	
Minimum Roof Pitch:	15°	
Maximum Design Wind Uplift:	2727.3 Pa	
Value of Partial Safety Factor:	1.1	
<i>Components:</i>		
PV Disc M8 Round Standoff with Flats PV 2.0 25mm Chamfered Bolt PV 2.0 EdgeGrab PV 2.0 MidGrab S-5-Z S-5-Z Mini S-5-E S-5-E Mini S-5-S S-5-S Mini S-5-R 465 S-5-R 465 Mini S-5-U S-5-U Mini		

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