

Certificate of Approval

Certificate Number: MCS IK0182

Issue: 02

K2 Solar Mounting Solutions Limited

Unit 46 Easter park
Benyon Road
Aldermaston
RG7 2PQ



having complied with the requirements of the following:

MCS 010: Issue 1.5

Factory Production Control Requirements
and

MCS 012: Issue 2.1

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.

Signed for BRE Global Ltd.

John Holden
Business Group Manager

28 March 2019
Date of Issue

17 April 2014
Date of First Issue



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Appendix to Certificate No: MCS IK0182 K2 Solar Mounting Solutions Limited

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Products

Model	Description	Reference No.
K2 CrossRail 36 system	Pitched Roof Installation Kit (Above roof)	MCS IK0182/01
<p><i>Technical Information for the K2 CrossRail 36 system:</i></p> <p>Roof substrate: Timber rafters / purlins and metal purlins (sizes should be adequate to resist applied wind load and comply with building regulations)</p> <p>Minimum roof pitch: 15°</p> <p>Maximum design wind uplift: 4.19 kPa</p> <p>Value of partial safety factor: 1.1</p>		
<p><i>Components:</i></p> <ul style="list-style-type: none"> K2 CrossRail 36 (aluminium rail: 2001902) K2 CrossRail 36 Rail Connector K2 CrossHook 2 (design uplift resistance 237 N) K2 CrossHook 3S – Pan Tile (design uplift resistance 1271 N) K2 CrossHook 4S – Pan Tile (System test uplift 323 Pa per hook) K2 Rafter Screw CR (M10 x 180 / 200 / 250, design uplift resistance 874 N) K2 Module Middle Clamp Standard (aluminium / stainless steel) K2 Module End Clamp Standard (aluminium / stainless steel) HECO Topix Timber Screw (stainless steel, 80 x M6, 80 x M8, 100 x M8) EJOT Solar Fastener FZD (stainless steel, 80 / 100 / 150 / 200 x M8) 		

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Model	Description	Reference No.
K2 SolidRail system	Pitched Roof Installation Kit (Above roof)	MCS IK0182/02
<i>Technical Information for the K2 SolidRail system:</i>		
Roof substrate:	Timber rafters / purlins and metal purlins (sizes should be adequate to resist applied wind load and comply with building regulations)	
Minimum roof pitch:	15°	
Maximum design wind uplift:	3.94 kPa	
Value of partial safety factor:	1.1	
<i>Components:</i>	K2 SolidRail Ultralight 32 Rail 2.10m (aluminium rail: 2001953) K2 SolidRail Ultralight 32 Rail 3.15m (aluminium rail: 2001954) K2 SolidRail Ultralight 32 Rail 4.15m (aluminium rail: 2001955) K2 SolidRail Ultralight 32 Rail 6.10m (aluminium rail: 1001929) K2 SolidRail Light 37 (aluminium rail: 1004367, 2001911, 2001912, 1000014) K2 SolidRail Med 42 (aluminium rail: 2001950) K2 SolidRail Ultralight 32, Light 37 & Med 42 Connector (aluminium, steel) K2 Vario 1 Pan Tile Roof Fastener (design uplift resistance 961 N) K2 Vario 2 Pan Tile Roof Fastener (System test uplift 295 Pa per hook) K2 Fixed Pan Tile Roof Fastener (design uplift resistance 1109 N) K2 Flat Tile Roof Fastener (design uplift resistance 386 N) K2 Flat Tile Double Roof Fastener (design uplift resistance 64.5 N) K2 Rafter Screw SR (M10x180 / 200 / 250, design uplift resistance 1167 N) HECO Topix Timber Screw (stainless steel, 80 x M6, 80 x M8, 100 x M8) K2 T-Bolt 28/15 (stainless steel, 30 x M10) EJOT Solar Fastener FZD (stainless steel, 80 / 100 / 150 / 200 x M8)	

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Appendix to Certificate No: MCS IK0182 K2 Solar Mounting Solutions Limited

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Model	Description	Reference No.
K2 SpeedRail 22 system	Pitched Roof Installation Kit (Above roof)	MCS IK0182/03
<p><i>Technical Information for the K2 SpeedRail 22 system:</i></p> <p>Roof substrate: Steel box profiled sheet, minimum thickness 0.5mm (roof covering should be fixed to roof substrate to adequately resist applied wind load and comply with building regulations).</p> <p>Minimum roof pitch: 15°</p> <p>Maximum design wind uplift: 3.07 kPa</p> <p>Value of partial safety factor: 1.1</p>		
<p><i>Components:</i></p> <p>K2 SpeedRail 22 (aluminium rail: 2001905, 2001906, 1003933, 1001163)</p> <p>K2 SpeedClip</p> <p>K2 SpeedLock 22 Set (aluminium / stainless steel)</p> <p>EJOT Self Tapping Screw (stainless steel, 36 x M6)</p> <p>K2 Module Middle Clamp Standard (aluminium / stainless steel)</p> <p>K2 Module End Clamp Standard (aluminium / stainless steel)</p>		

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Model	Description	Reference No.
K2 MiniRail system	Pitched Roof Installation Kit (Above roof)	MCS IK0182/04
<i>Technical Information for the K2 MiniRail system:</i>		
Roof substrate:	Steel box profiled sheet, minimum thickness 0.5mm (roof covering should be fixed to roof substrate to adequately resist applied wind load and comply with building regulations)	
Minimum roof pitch:	15°	
Maximum design wind uplift:	4.59 kPa	
Value of partial safety factor:	1.0	
<i>Components</i>	K2 MiniRail Set (2002341) K2 MiniRail Middle Clamp 2002558 30-50mm (aluminium / stainless steel) K2 MiniRail End Clamp 2002559 30-50mm (aluminium / stainless steel) Riesser RP-T2-6.0 Self Drilling Screw 1005207 (stainless steel, 38 x M6) Ejot RF3-2-5.5 screw	

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