

## Certificate of Approval

Certificate Number: MCS IK0201

Issue: 1

### Alumero Systematic Solutions GmbH

Sonnenweg 1-2  
A-5164 Seeham  
Austria

Having complied with the requirements of the following:

#### MCS 010-Issue 1.5

Generic Factory Production Control (FPC) Requirements  
and

#### MCS 012: Issue 1.2

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 Energie und Umwelt GmbH



Signed for BRE Global Ltd.

Laura Critien  
Operations Manager

12 September 2014  
Date of Issue

12 September 2014  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.greenbooklive.com/terms](http://www.greenbooklive.com/terms)). To check the validity of this certificate please visit [www.greenbooklive.com/check](http://www.greenbooklive.com/check) or contact us.

BRE Global Ltd., Garston, Watford WD25 9XX.  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)  
MCS is the Certification Mark for Onsite Sustainable Energy Technologies



## Appendix to Certificate No: MCS IK0201 Alumero Systematic Solutions GmbH

Issue: 1

### Products

Model	Description	Reference No.
AS 2.1 Mounting system with Roof Hooks	Roof Installation Kit (Above roof)	MCS IK0201/1
<i>Technical Information for the AS 2.1 with Roof Hooks:</i>		
Roof substrate:	timber rafters and batten (with profiled or flat lapped tiles)	
Minimum Roof pitch:	20°	
Maximum design wind uplift:	4000 Pa (when used on 2 modules with a total of 8 fixings)	
Value of partial safety factor:	1.0	
<i>Components:</i>		
Mounting Profile 45	802100	
Mounting Profile 45	802190 (blk)	
Mounting Plate 2.1 M10	800462-10	
Middle Clamp	802301-V	
Middle Clamp	802391-V (blk)	
Middle Clamp Click 2.1	802301C	
End Clamp	802304-V	
End Clamp	802394-V (blk)	
Flat Head Screw	800664, 663, 665, 667	
Flat Head Screw	800668, 669, 670	
Mounting Profile 65	802102	
Profile Connector 45, 65	802150, 802152	
Cross Connector	802200	
Roof Hook 35x6	802400	
Roof Hook DV 30x6	802401	
Roof Hook 35x8	802402	
Roof Hook 40x10	802406	
Roof Hook 35x8	802407	
Roof Hook AI 13	802413	
Earthing Plate for Middle Clamp	800301P	
Round Wire	802602	
Wire Clamp	802603	
Distance Plate	802605, 802606	
Cable Tie including clip	800706, 802604	
Shutter 45	802601	

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 Energie und Umwelt GmbH



Signed for BRE Global Ltd.

Laura Critien  
Operations Manager

12 September 2014  
Date of Issue

12 September 2014  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.greenbooklive.com/terms](http://www.greenbooklive.com/terms)).

To check the validity of this certificate please visit [www.greenbooklive.com/check](http://www.greenbooklive.com/check) or contact us.

BRE Global Ltd., Garston, Watford WD25 9XX.  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

MCS is the Certification Mark for Onsite Sustainable Energy Technologies



## Appendix to Certificate No: MCS IK0201 Alumero Systematic Solutions GmbH

Issue: 1

Model	Description	Reference No.
AS 2.1 Mounting System with Hanger Bolts	Roof Installation Kit (Above roof)	MCS IK0201/2
<i>Technical Information for the Hanger Bolt system:</i>		
<i>Roof substrate:</i>	Profiled metal sheet, standing seam or well fibre-cement sheet	
<i>Roof pitch:</i>	5°	
<i>Maximum design wind uplift:</i>	2693.8 Pa (when used on 2 modules with a total of 8 fixings)	
<i>Value of partial safety factor:</i>	1.0	
<i>Components:</i>		
Mounting Profile 45	802100	
Mounting Profile 45	802190 (blk)	
Mounting Plate 2.1 M10	800462-10	
Middle Clamp	802301-V	
Middle Clamp	802391-V (blk)	
Middle Clamp Click 2.1	802301C	
End Clamp	802304-V	
End Clamp	802394-V (blk)	
Flat Head Screw	800664, 663, 665, 667	
Flat Head Screw	800668, 669, 670	
Mounting Profile 65	802102	
Profile Connector 45, 65	802150, 802152	
Cross Connector	802200	
Hanger Bolt 2.1	802403, 802404, 802405, 802499	
Earthing Plate for Middle Clamp	800301P	
Round Wire	802602	
Wire Clamp	802603	
Distance Plate	802605, 802606	
Cable Tie including clip	800706, 802604	
Shutter 45	802601	

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 Energie und Umwelt GmbH



Signed for BRE Global Ltd.

Laura Critien  
Operations Manager

12 September 2014  
Date of Issue

12 September 2014  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.greenbooklive.com/terms](http://www.greenbooklive.com/terms)). To check the validity of this certificate please visit [www.greenbooklive.com/check](http://www.greenbooklive.com/check) or contact us.

BRE Global Ltd., Garston, Watford WD25 9XX.  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

MCS is the Certification Mark for Onsite Sustainable Energy Technologies

