

## Certificate of Approval

Certificate Number: MCS IK0211

Issue: 01

### SYSTOVI

5 rue du Chêne Lassé – CP 1008  
44806 Saint Herblain  
France

Having complied with the requirements of the following:

#### MCS 010-Issue 1.5

Factory Production Control Requirements  
and

#### MCS 012: Issue 1.1

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.

Laura Critien  
MCS Operations Manager

22 May 2015  
Date of Issue

22 May 2015  
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 IK0211 SYSTOVI

Issue: 01

### Products

Model	Description	Reference No.
R-Sun (when used to mount a V-SYS PRO or V-SYS poly or mono PV panel, 54 or 60 cells)	Roof Installation Kit (Roof integrated)	MCS IK0211/01
<i>Technical Information for R-Sun System:</i>		
Roof substrate:	Timber rafters and battens	
Minimum roof pitch:	15°	
Maximum design wind uplift:	3,391 Pa (when used with 2 modules and 3 rails)	
Value of partial safety factor:	1.1 (failure of metal component)	
Fire safety performance:	EXT.S.AA	
<i>Components:</i>		
Left-hand tile Side flashing gully	Top fixing with sealing foam	
Right-hand tile Side flashing gully	Aeration grill and bottom finish	
Left-hand tile corner flashing	Gutter track aerated top plug	
Tile Intermediary flashing	Flashing fixing tab	
Right-hand tile corner flashing	Upper flashing sealing foam	
Tile Upper sealing slider	Top aeration sheet with air collector	
Tile Side sealing T-barrier	black self-tapping screw H8 6 mm x 30 mm	
V-SYS PV panel (no vent sheet)	Cable gland for aeration sheet	
Intermediary bottom sealing	Track fixing tab	
Aeration grill fixing clips	Air tapping diameter 160 mm (fixed/detachable part)	
Track and clamp assembly	Plug for top sheet (left/right side)	

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



Signed for BRE Global Ltd.

Laura Critien  
MCS Operations Manager

22 May 2015  
Date of Issue

22 May 2015  
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 IK0211 SYSTOVI

Issue: 01

Model	Description	Reference No.
V-SYS (when used to mount a V-SYS PRO or V-SYS poly or mono PV panel, 54 or 60 cells)	Roof Installation Kit (Roof integrated)	MCS IK0211/02
<b>Technical Information for V-SYS System:</b>		
Roof substrate:	Timber rafters and battens	
Minimum roof pitch:	15°	
Maximum design wind uplift:	3,391 Pa (when used with 2 modules and 3 rails)	
Value of partial safety factor:	1.1 (failure of metal component)	
Fire safety performance:	EXT.S.AA	
<b>Components:</b>		
Left-hand tile Side flashing gully	Track and clamp assembly	
Right-hand tile Side flashing gully	Top fixing with sealing foam	
Left-hand tile corner flashing	Aeration grill and bottom finish	
Tile Intermediary flashing	Gutter track aerated top plug	
Right-hand tile corner flashing	Flashing fixing tab	
Tile Upper sealing slider	Upper flashing sealing foam	
Tile Side sealing T-barrier	black self-tapping screw H8 6 mm x 30 mm	
V-SYS PV panel (no vent sheet)	Track fixing tab	
Intermediary bottom sealing	Plug for top sheet (left/right side)	
Aeration grill fixing clips		

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



Signed for BRE Global Ltd.

Laura Critien  
MCS Operations Manager

22 May 2015  
Date of Issue

22 May 2015  
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

