

## Certificate of Approval

Certificate Number: MCS IK0197

Issue: 01

### Renusol GmbH

Piccoloministaße 2

Cologne

51063

Germany

Having complied with the requirements of the following:

#### MCS 010-Issue 1.5

Factory Production Control 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.



Signed for BRE Global Ltd.

Laura Critien  
MCS Operations Manager

23 June 2014  
Date of Issue

23 June 2014  
Date of First Issue



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MCS is the Certification Mark for Onsite Sustainable Energy Technologies.



## Appendix to Certificate No: MCS IK0197 Renusol GmbH

Issue: 01

### Products

Model	Description	Reference No.
InterSole SE (when installing PRO P240 C60 S6+ H40 TES JLE4 FS modules)	Roof Installation Kit (Roof Integrated)	MCS IK0197/01
<i>Technical information for InterSole SE using Anker roof fixing:</i> Roof substrate: 27mm x 46mm timber batten Minimum roof Pitch: 20° Maximum design wind uplift: 2954.5Pa Value of partial safety factor: 1.1 Fire safety performance: EXT.S.AA		

Model	Description	Reference No.
MetaSole	Roof Installation Kit (Above Roof)	MCS IK0197/02
<i>Technical information for MetaSole using Klemmfuß roof fixing:</i> Roof substrate: Trapezoidal sheet (aluminium) on 80mm x 100mm timber battens Minimum roof Pitch: 10° Maximum design wind uplift: 1994.4Pa Value of partial safety factor: 1.25		

Continued on next page...

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**Renusol GmbH**

**Issue: 01**

Model	Description	Reference No.
VarioSole SE	Roof Installation Kit (Above Roof)	MCS IK0197/03
<i>Technical information for VarioSole SE using Dachhaken Aluminium roof fixing:</i> Roof substrate: Minimum roof pitch: Maximum design wind uplift: Value of partial safety factor:		Timber rafters (rafter size should be adequate to resist applied wind load and comply with current building regulations of the country in which installed): 20° 3097.7Pa 1.1
<i>Technical information for VarioSole using Stockschraube roof fixing:</i> Roof substrate: Minimum roof pitch: Maximum design wind uplift: Value of partial safety factor:		Timber rafters (rafter size should be adequate to resist applied wind load and comply with current building regulations of the country in which installed): 10° 3097.7Pa 1.1

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