

## Certification & Approval

Certificate Number: MCS 100237

Issue: 01

**Clenergy Europe Limited**

Clenergy Court

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**Products**

Please see Appendix for details

<https://www.bre.co.uk/certification-and-approval> and <https://www.bre.co.uk/certification-and-approval>

## Appendix to Certificate No: MCS IK0237

Issue: 01

Greenenergy Europe Limited

### Products

Model	Description	Reference No.
PV-ezRack Trapezoidal	Roof Installation Kit (Above roof)	MCS IK0237/01

Technical Information for the PV-ezRack Trapezoidal:

Roof substrate:	Trapezoidal profile sheet
Minimum Roof pitch:	5°
Maximum design wind uplift:	1701 N for single fixing with 2 screws

#### Components

1. PV-ezRack Trapezoidal

EM-EC-5 F30E, -35E, -40E, -45E, -50E

EM-EC-5 F30E, -35E, -40E, -45E, -50E

2. PV-ezRack Trapezoidal

End clamp, black anodized

End clamp, black anodized

3. PV-ezRack Trapezoidal

4. PV-ezRack Trapezoidal

5. PV-ezRack Trapezoidal

6. PV-ezRack Trapezoidal

7. PV-ezRack Trapezoidal

8. PV-ezRack Trapezoidal

9. PV-ezRack Trapezoidal

10. PV-ezRack Trapezoidal

11. PV-ezRack Trapezoidal

12. PV-ezRack Trapezoidal

13. PV-ezRack Trapezoidal

14. PV-ezRack Trapezoidal

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29. PV-ezRack Trapezoidal

30. PV-ezRack Trapezoidal

31. PV-ezRack Trapezoidal

32. PV-ezRack Trapezoidal

33. PV-ezRack Trapezoidal

34. PV-ezRack Trapezoidal

35. PV-ezRack Trapezoidal

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41. PV-ezRack Trapezoidal

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44. PV-ezRack Trapezoidal

45. PV-ezRack Trapezoidal

46. PV-ezRack Trapezoidal

47. PV-ezRack Trapezoidal

48. PV-ezRack Trapezoidal

49. PV-ezRack Trapezoidal

50. PV-ezRack Trapezoidal

51. PV-ezRack Trapezoidal



Model	Description	Reference No.
EX-1-T7	Clip-lock standing seam clamp for flat profile standing seams	
EX-BH100A30	Hexagon socket bolt, M10x30	
EX-IC-ST 32, -35, -40, -45, -50	Inter-clamp	
EX-IC-ST 30B, -32B, -35B, -40B, -45B, -50B	Inter-clamp, blind modified	
EX-EC-5/ES, -40, -45, -46, -50	End clamp	

Roof substrate:

Aluminium standing-seam roof, flat profile (no penetration)

Minimum roof pitch:

5°

Maximum design wind speed:

2006 m for a 50 year return period

Value of partial safety factor:

1.1

Components:

EX-1-T7

Clip-lock standing seam clamp for flat profile standing seams

EX-BH100A30

Hexagon socket bolt, M10x30

EX-IC-ST 32, -35, -40, -45, -50

Inter-clamp

EX-IC-ST 30B, -32B, -35B, -40B, -45B, -50B

Inter-clamp, blind modified

EX-EC-5/ES, -40, -45, -46, -50

End clamp

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200 May 2018

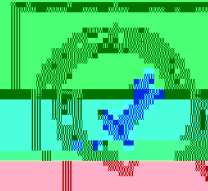
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This certificate and associated information represent a calculation of the performance of the product under the conditions specified in the certificate. The product is not to be used in any other conditions without the approval of the manufacturer.



Model	Description	Reference No.
PVC-coated Timber Hanger Bolt	As per Installation M01 (PVC-coated)	MPC6 1402287404
<b>Asphalt/Bitumen/Concrete/Pavement PVC-coated Timber Hanger Bolt</b>		
Roof substrate: Minimum Roof pitch: Minimum wind speed (m/s): Minimum wind gust (m/s)	Metal roof sheet with 80mm x 100mm gauge C14-timber rafters 5° 200, 30, PVC-coating: 1.0	
<b>Components</b>		
EB-HB-140704	PVC Timber Hanger Bolt	
EB-C-07378, 07379, 07380, 07381, 07382	Timber clamp	
EB-C-07379, 07380, 07381, 07382, 07383, 07384, 07385	Timber clamp, black-anodized	
EB-07378, 07379, 07380, 07381	Timber clamp	
EB-07379, 07380, 07381, 07382, 07383	Timber clamp, black-anodized	
EB-B-PVC0704, 0705, 0706	Sintercoat PVC Mat, clear-anodized	
EB-B-PVC0704, 0705, 0706	Sintercoat PVC Mat, black-anodized	
EB-07378	Sintercoat PVC Mat	
EB-C-07378	Sintercoat PVC mat with sintercoat	
EB-C-07379	Sintercoat PVC mat	
EB-C-07380, 07381, 07382	Sintercoat PVC mat with sintercoat	

\*The above list of components is not exhaustive and is for reference only. The actual list of components to be used shall be determined by the contractor in consultation with the manufacturer.



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