



Certificate No: MCS BBA 0145

**Technology:
MCS 012 – Pitched Roof Installation Kits**

**Products:
Viridian Solar – Clearline Flashing Kits**

<i>S-series & T-series flashing kits</i>	
Components	S-series flashing kits for slates T-series flashing kits for tiles Solar outlet sealing collars specified by the Certificate holder Compatible with: Clearline solar PV modules PV15, PV16, PV20 and PV30 Clearline solar collectors V15, V20 and V30
Installation Type	Roof-integrated
Permissible roof pitch (Angle °)	20° - 60°
Roofing substrate minimum requirements	Slated or tiled roofs
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	2.4
Partial (safety) factor(s)	1.44
Fire classification to BS 476-3 : 2004 Fire classification to EN 13501-5 : 2005 +A1 : 2009	EXT.S.AA B _{ROOF} (t4) Fire product tested in each case is the Viridian PV15 and PV30. The fire performance rating applies only to the roofing kit when used with the family of modules (family as referenced within MCS005) from which the tested module(s) came, or other modules that have identical material specification and design of: frame, coversheet, encapsulant, backing sheet and sealant.

Continued



<i>Fusion Portrait flashing kits</i>	
Components	Fusion portrait flashing kits for slates or tiles Solar outlet sealing collars specified by the Certificate holder Compatible with: Clearline solar PV modules PV15, PV16, PV20 and PV30 Clearline solar collectors V15, V20 and V30
Installation Type	Roof-integrated
Permissible roof pitch (Angle °)	20° - 60°
Roofing substrate minimum requirements	Slated or tiled roofs
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	5.32
Partial (safety) factor(s)	1
Fire classification to BS 476-3 : 2004 Fire classification to EN 13501-5 : 2005 +A1 : 2009	EXT.S.AA B _{ROOF} (t4) Fire product tested in each case is the Viridian PV15 and PV30. The fire performance rating applies only to the roofing kit when used with the family of modules (family as referenced within MCS005) from which the tested module(s) came, or other modules that have identical material specification and design of: frame, coversheet, encapsulant, backing sheet and sealant.

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<i>Fusion Landscape flashing kits</i>	
Components	Fusion landscape flashing kits for slates or tiles Solar outlet sealing collars specified by the Certificate holder Compatible with: Clearline solar PV modules PV15, PV16, PV20 and PV30 Clearline solar collectors V15, V20 and V30
Installation Type	Roof-integrated
Permissible roof pitch (Angle °)	20° - 60°
Roofing substrate minimum requirements	Slated or tiled roofs
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	5.32
Partial (safety) factor(s)	1
Fire classification to BS 476-3 : 2004 Fire classification to EN 13501-5 : 2005 +A1 : 2009	EXT.S.AA B _{ROOF} (f4) Fire product tested in each case is the Viridian PV15 and PV30. The fire performance rating applies only to the roofing kit when used with the family of modules (family as referenced within MCS005) from which the tested module(s) came, or other modules that have identical material specification and design of: frame, coversheet, encapsulant, backing sheet and sealant.

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<i>Fusion flashing kits for sarking boards</i>	
Components	Fusion flashing kits for slates or tiles Compatible with: Clearline solar PV modules PV15, PV16, PV20 and PV30 Clearline solar collectors V15, V20 and V30
Installation Type	Roof-integrated
Permissible roof pitch (Angle °)	20° - 60°
Roofing substrate minimum requirements	Slated or tiled roofs Softwood sarking boards; 100 mm x 22 mm fitted with 5.0 x 70 mm woodscrews Softwood batten for bottom row of slate 25 mm x 50 mm fixed with 5 x 70 mm woodscrews Sarking board side bracket Sarking board twin panel joining bracket fitted with 4 x 50 mm screws (supplied)
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	5.32
Partial (safety) factor(s)	1
Fire classification to BS 476-3 : 2004 Fire classification to EN 13501-5 : 2005 +A1 : 2009	EXT.S.AA B _{ROOF} (t4) Fire product tested in each case is the Viridian PV15 and PV30. The fire performance rating applies only to the roofing kit when used with the family of modules (family as referenced within MCS005) from which the tested module(s) came, or other modules that have identical material specification and design of: frame, coversheet, encapsulant, backing sheet and sealant.

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The BBA (British Board of Agrément) has issued this Microgeneration Certification Scheme (MCS) Certificate to the company and products named above, in recognition of the products' compliance with the MCS Scheme Requirements for the technology named above.

On behalf of the British Board of Agrément

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Claire Curtis-Thomas
Chief Executive

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this MCS Certificate by either referring to the BBA website or contacting the BBA direct.

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