



Certificate No: MCS BBA 0145

Technology: MCS 012 – Pitched Roof Installation Kits

Products:
Viridian Solar – Clearline Flashing Kits

Fusion Portrait flashing kits	
Components	Fusion portrait flashing kits for slates or tiles Solar outlet sealing collars specified by the Certificate holder Compatible with: Clearline PV16-xxx (Monocrystalline) Clearline PV16-xxxP-W (Polycrystalline) Clearline PV16-xxxP-B (Polycrystalline)
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	1
Fire classification to BS 476-3 : 2004	EXT.S.A.A Products tested for the fire classification are: (WarringtonFire report 18911E-rev. 2, 03/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300 (WarringtonFire report 20825-rev. 3, 02/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300, PV16-320, PV16-325, PV16-330, PV16-335, PV16-340, PV16-345, PV16-350 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.

Fusion Landscape flashing kits	
Components	<p>Fusion landscape flashing kits for slates or tiles Solar outlet sealing collars specified by the Certificate holder</p> <p>Compatible with: Clearline PV16-xxx (Monocrystalline) Clearline PV16-xxxP-W (Polycrystalline) Clearline PV16-xxxP-B (Polycrystalline)</p>
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	1
Fire classification to BS 476-3 : 2004	<p>EXT.S.A.A</p> <p>Products tested for the fire classification are:</p> <p>(WarringtonFire report 18911E-rev. 2, 03/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300</p> <p>(WarringtonFire report 20825-rev. 3, 02/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300, PV16-320, PV16-325, PV16-330, PV16-335, PV16-340, PV16-345, PV16-350</p> <p>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.</p>

Fusion flashing kits for sarking boards	
Components	Fusion flashing kits for slates or tiles Compatible with: Clearline PV16-xxx (Monocrystalline) Clearline PV16-xxxP-W (Polycrystalline) Clearline PV16-xxxP-B (Polycrystalline)
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	1
Fire classification to BS 476-3 : 2004	EXT.S.A.A Products tested for the fire classification are: (WarringtonFire report 18911E-rev. 2, 03/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300 (WarringtonFire report 20825P-rev. 3, 02/06/2021) PV16-260P-B/W, PV16-270, PV16-270P-B/W, PV16-280, PV16-300, PV16-320, PV16-325, PV16-330, PV16-335, PV16-340, PV16-345, PV16-350 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.

Viridian Solar
Viridian Concepts Limited
Atlas Building
Stirling Way
Papworth
Cambridgeshire CB23 3GY

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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Hardy Giesler
Chief Executive Officer

The BBA is a UKAS accredited product certification body – Number 0113. 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 MUST check the validity and latest issue number of this MCS Certificate by either referring to the BBA website or contacting the BBA directly.

British Board of Agrément
Bucknalls Lane
Watford
Herts WD25 9BA

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tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk