



Certificate No: MCS BBA 0195

Technology:

MCS 012 – Pitched Roof Installation Kits

Products:

S:FLEX Mounting Systems for Pitched Roofs

Photovoltaic Mounting System for pitched roof structures for plain tiles with steel roof hooks	
Components	Roof hook Biber complete Systemrail ST-AK 5/40 l=3150 Mid clamp AK 36-51 End clamp AK II Klick 30-50 Woodscrew 8x80 disc head T40 A2
Installation Type	Above roof
Permissible roof pitch (Angle °)	30° - 75°
Roofing substrate minimum requirements	Plain tiled (double lapped product)
Maximum design wind uplift resistance (kPa) Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.	2.9
Partial (safety) factor(s)	1.0

Photovoltaic Mounting System for pitched roof structures for tiled roofs with aluminium roof hooks	
Components	Roof hook aluminium 100-7-45 complete Systemrail ST-AK 5/40 l=3150 Mid clamp AK 36-51 End clamp AK II Klick 30-50 Woodscrew 6x80 pan head AW30 A2
Installation Type	Above roof
Permissible roof pitch (Angle °)	22° - 75°
Roofing substrate minimum requirements	Profiled or flat single lapped tiles
Maximum design wind uplift resistance (kPa) Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.	5.2
Partial (safety) factor(s)	1.0



Photovoltaic Mounting System for fibre-cement, trapezoidal sheet and sandwich roofs with hangerbolts	
Components	Hanger bolt M10x200 pure Bracket 60mm, M10 complete Systemrail ST-AK 5/40 l=3150 Mid clamp AK 36-51 End clamp AK II Klick 30-50
Installation Type	Above roof
Permissible roof pitch (Angle °)	10° - 75°
Roofing substrate minimum requirements	Profiled metal sheets
Maximum design wind uplift resistance (kPa) Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.	5.2
Partial (safety) factor(s)	1.0

Photovoltaic Mounting System for trapezoidal sheet roofs with sheet metal rails	
Components	Systemrail ST-AK 1/12 l= 180 complete Self-drilling screw 4, 5x26 End clamp AK II Klick 30-50 Mid clamp AK 36-51
Installation Type	Above roof
Permissible roof pitch (Angle °)	10° - 75°
Roofing substrate minimum requirements	Trapezoidal metal sheet system roofs
Maximum design wind uplift resistance (kPa) Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.	1.5
Partial (safety) factor(s)	1.25

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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.