



Certificate No: MCS BBA 0200

Technology:

MCS 012 – Pitched Roof Installation Kits

Products:

Grant Solar Roof Mounting Kits

<i>Grant Solar On-Roof Mounting Kit</i>	
Components	<p>Mounting rail</p> <ul style="list-style-type: none">• GS222741 (2 panel aluminium extruded bar Mounting Rail)• GS222742 (1 panel aluminium extruded bar Mounting Rail) <p>Roof anchor</p> <ul style="list-style-type: none">• GS222088 (Roof Anchor Type B for flat concrete tiles)• GS222148 (Roof Anchor Type A for profile concrete tiles)• GS222090 (Roof Anchor Type C for slates) <p>Mounting hook Cylinder bolt Fixing bracket Anchor block</p> <p>Compatible with: Grant Solar Collectors</p>
Installation Type	Above roof
Permissible roof pitch (Angle °)	15° to 65°
Roofing substrate minimum requirements	Flat concrete tiles, profiled concrete tiles, and slates.
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	0.76 kPa
Partial (safety) factor(s)	1.44



Grant Solar On-Roof Mounting Kits	
Components	Mounting bracket Anchor block Cylinder bolt Side gutter LH and RH Base tray lower and upper section Cover strip Bottom apron flashing 1-piece, LH, RH, and Intermediate Top cover flashing 1-piece, LH, RH, and intermediate Closure strip Fixing screw Clip c/w nail Foam draught seal wedge and seal block Mastic bead Anchor block Compatible with: Grant Solar Collectors
Installation Type	In roof
Permissible roof pitch (Angle °)	25° (tiles) 30° (slates)
Roofing substrate minimum requirements	Flat concrete tiles, profiled concrete tiles, and slates.
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	3.5 kPa
Partial (safety) factor(s)	1
Fire classification to BS 476-3 : 2004 Fire classification to EN 13501-5 : 2005 + A1 : 2009	EXT.S.AA BROOF(t4)

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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

Claire Curtis-Thomas

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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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