## Certificate No: MCS BBA 0155

## Technology: <br> MCS 012 - Pitched Roof Installation Kits

## Products: <br> Hopergy tile roof mounting kits

| Components | EU rail <br> EU mid-clamp <br> EU end-clamp <br> EU tile bracket (HOP-TRH-EC roof hook) |
| :--- | :--- |
| Installation Type | Above roof |
| Permissible roof pitch (Angle ${ }^{\circ}$ ) | $15^{\circ}-47^{\circ}$ |
| Roofing substrate minimum requirements | Single lap concrete tile roofs |
| Maximum design wind uplift resistance (kPa) <br> Calculated by dividing the characteristic wind uplift resistance by the <br> partial safery factor shown below. | 3.2 |
| Partial (safety) factor(s) | 1.25 | BBAV


| Components | EU rail <br> EU mid-clamp <br> EU end-clamp <br> EU tile bracket (HOP-TRH-EC roof hook) |
| :--- | :--- |
| Installation Type | Above roof |
| Permissible roof pitch (Angle ${ }^{\circ}$ ) | $15^{\circ}-47^{\circ}$ |
| Roofing substrate minimum requirements | Plain tile roofs |
| Maximum design wind uplift resistance (kPa) <br> Calculated by dividing the characteristic wind uplift resistance by the <br> partial safery factor shown below. | 4.1 |
| 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's compliance with the MCS Scheme Requirements for the technology named above.
On behalf of the British Board of Agrément


Date of issue: 3 June 2014
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 polf format via the UKAS link on the BBA website at www.bbacerts.co.uk

