

## Product Datasheet

### Alumasc Bio Solar (Warm Roof) – Bituminous Membrane

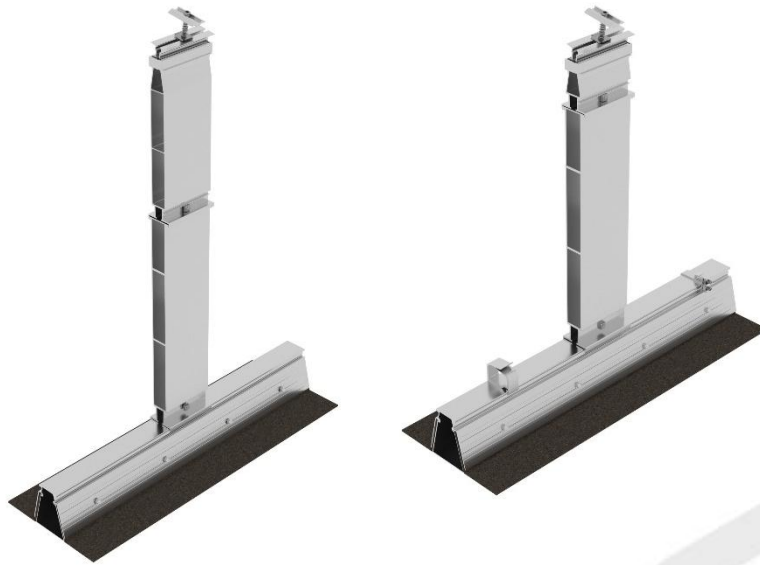
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#### Description

Non-penetrative solar mounting system for roof penetration-free mounting or ballasting of PV modules or PV module series. Consisting of aluminium bitumen rails, aluminium high/low tilt supports, and end/universal clamps. Aluminium construction is light, strong, recyclable, and highly resistant to corrosion.



#### Key Features

- ✓ EU manufactured
- ✓ Extremely lightweight at 6.5 kg/m<sup>2</sup> due to recycled aluminium construction (excluding PV modules)
- ✓ Suitable for new build & refurbishment projects
- ✓ Seamless integration with Alumasc waterproofing systems, maintaining system warranties
- ✓ Universal brackets to accommodate a wide array of panels
- ✓ Bitumen rails provide a linear load distribution, no point loading

#### Area of Use

For the application of green solar roofs

#### Specific Properties

- ✓ Stability of the overall system proven in accordance with Eurocode1
- ✓ Design specific wind load & calculations provided on receipt of order
- ✓ Suitable for roof areas with a roof pitch of 0° to 5°
- ✓ Penetration free assembly on the roof
- ✓ Available in inclines of up to 10°

#### Technical Information

|                          |                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>          | Recycled aluminium EN AW6060 T66 (rail and tilt supports), stainless steel fixings, bituminous retaining strips                                                                   |
| <b>Dimensions/Weight</b> | L: 600/1200mm x W: 235mm x H: 370mm, 6.5 kg/m <sup>2</sup>                                                                                                                        |
| <b>Colour</b>            | Natural aluminium                                                                                                                                                                 |
| <b>System Components</b> | 0.6m or 1.2m aluminium rail, retaining strip, tilt support, universal and external clamp with aluminium/stainless steel finish, module grounding connector (MGC), and cable guide |

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#### Technical Support

Technical advice is available from Alumasc Technical Services at:

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The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

