**Sarnafil® Solar Panel Support Post**

**Photovoltaic Panel Support Post**

### Product Description

The Sarnafil® Solar Panel Support Post is a proprietary attachment product for accommodating photovoltaic panels in Sarnafil® roofing systems.

### Uses

The Sarnafil® Solar Panel Support Post can be used with the following roofing systems:

- Sarnafil® G 410, G 410 Felt, TG 76 adhered single ply membrane systems
- Sarnafil® S 327, TCS mechanically fastened single ply membrane systems
- Sarnafil® G 410, TCG loose laid membrane systems with ballast

### Characteristics / Advantages

- Can be used on flat, low pitch & curved roofs
- Compatible with Sarnafil® roofing systems
- Quick and easy to install
- Does not need to be attached to structural steel or purlins.
- Post design is smaller and more unobtrusive than most other brackets.
- The system blends with the overall building design and so maintains the architectural integrity.

### Tests


### Approvals / Standards


### Product Data

### Form

#### Appearance

- Surface: Smooth
- Colour: Traffic Grey

### Storage

#### Storage Conditions

The Sarnafil® Solar Panel Support Post should be stored in dry conditions and protected from damage. Once correctly installed the Sarnafil® Solar Panel Support Post becomes weatherproof.

### Technical Data

#### Materials

- **Base Plate:** Aluminium (Coated with PVC or PP)
- **Insulating Ring:** Glass Filled Nylon 66
- **Tube:** Aluminium (Coated with PVC or PP)
- **Dome:** 316s Stainless Steel, Electro Polished
- **Internal assembly:** 316s Stainless Steel
- **Nuts & Bolts:** Marine Grade A4 Stainless Steel
- **Insulating washers:** Nylon 66
Strength

- Tensile load per post 2.5kN
- Compressive strength per post 2.5kN

System Information

System Structure
Compatible with Sarnafil® waterproofing membranes.

Application

Conditions / Limits

Installation

Instructions

Installation Method
The Sarnafil® Solar Panel Support Post is to be installed in accordance with the manufacturer’s instructions.

The number of Sarnafil® Solar Panel Support Posts required for any installation will be determined by 2 factors. Firstly, determining the number of Sarnafil® Solar Panel Posts required based on the wind load calculated for the panels in relation to the maximum tensile load per Sarnafil® Panel Support Posts of 2.5kN, e.g. if the calculated up lift is 20kN, a minimum of 8 Sarnafil® Panel Support Posts must be used to mount the solar panel framework. Secondly, determining the number of Sarnafil® Solar Panel Posts required based on the total weight of the solar panels and framework in relation to the compressive strength per Sarnafil® Solar Panel Support Post of 2.5kN, e.g. if the framework and solar panels have a total weight 1000kg (therefore will apply a downward force of 10kN) then a minimum of 4 post must be used to mount the solar panels and framework.

If the above two calculations result in a different number of Sarnafil® Solar Panel Support Posts being required the higher number should be used. It is the responsibility of the clients’ structural engineer to undertake the necessary calculations to ensure the integrity of the overall construction for each installation including the required number of posts. The Sarnafil® Solar Panel Post is not suitable for the attachment of Personal Protection Equipment (PPE).

Notes on Installation / Limits
Installation of the Sarnafil® Solar Panel Support Post is to be carried out only by a Latchways Registered Installer.
Dimensions

Base Plate: 376 x 532mm
Post Diameter: 95mm
Post Height: 115mm
Post thread: M12
**Value Base**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**Local Restrictions**

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

**Ecology, Health and Safety Information**

The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.

**Protective Measures**

Regulatory safety requirements must be observed.

**Transportation Class**

The product is not classified as hazardous good for transport.

**Disposal**

The material is recyclable. Any disposal must be according to regulatory requirements.