

# SOLARSHIELD® 100

Textured aluminium sheet combined with a self-adhesive rubber/bitumen compound suitable for exposed flashing.

## Product Applications

Solarshield® 100 is a robust, cold applied, self-adhesive, heavily textured aluminium membrane which can be used as a conformable solar reflective flashing or protection for exposed roofing membranes.

Unroll and cut to size before applying sticky side down to waterproofing membrane.

Continuity is achieved by overlapping 75mm on sides and ends well rolling the joint to promote bonding.

A hot climate grade (HC) is available to suit higher ambient temperatures.

## Installation

The installation of the Solarshield 100 should not be carried out at temperature below -5 °C. At air temperatures below +5 °C measures should be taken to ensure that all surfaces are free from ice, frost or condensation.

The underlying roof waterproofing membrane must be clean and surface dry before applying the self-adhesive Solarshield 100. When used as a flashing pre-measure the extent of the Solarshield to accurately follow the roof profile to the termination chase, or mark-out the free board height if metal counter flashings are used to securely fasten the leading edges.

Pre-bending or shaping the Solarshield 100 to the correct profile, using the 1.00m width, before removing the silicone paper will assist with the application.

Solarshield should be laid by peeling back the protective silicone release paper and carefully offering the adhesive face into position on the prepared surface. Cut and trim carefully around internal and external corners to form an effective protection flashing to the waterproofing membrane beneath. The material should be brushed on to the surface to ensure good initial bond. Adjacent widths should be aligned and overlapped 75mm minimum at side and ends, and, well rolled with a firm pressure using a lap roller to ensure complete adhesion and continuity between the layers.

In adverse weather conditions the application of warmth from a hot air gun will aid adhesion.

SUPPLY		
Solarshield 100	1 m x 10 m roll	1.5 mm thick
Solarshield HC	1 m x 10 m roll	Weight 22 kg gross
Palletisation	25 rolls per pallet	

Storage	Upright in dry conditions below +30 °C
<b>Ancillary Products</b>	See separate data sheets
Bituthene Primer B1	Primer
Bituthene Mastic	Bituminous pointing mastic
Lap Roller	Unit

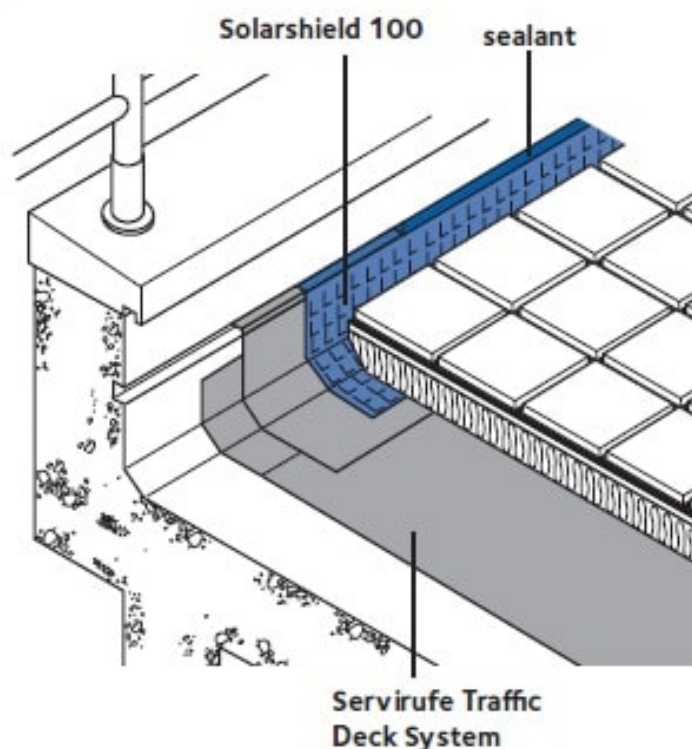
**Equipment by Others:** Brush or airline for cleaning surface. Soft broom, paint brush or roller for priming and a Stanley knife for cutting Solarshield.

## Product Advantages

- **Solar reflective surface**
- **High purity aluminium** – resistant to environmental pollution or ozone.
- **No naked flame system** – eliminates fire hazard.
- **Self-adhesive** – thick rubber bitumen compound gives excellent adhesive to substrate layer and continuity at overlaps.
- **Easily worked** – highly conformable, can be cut and bent to shape on site.
- **Tough** – puncture resistant, self-supporting.
- **Heavily embossed surface** – allows membrane to accommodate transverse and longitudinal movement without rupturing.
- **Compatibility** – suitable for use with all GCP self-adhesive membrane systems.
- **HC grade** is suitable for use up to +55 °C ambient temperature.

## Specification

Solarshield 100, preformed, self-adhesive, aluminium solar reflective flashing membrane shall be laid and terminated as shown on the working drawings with well rolled 75mm overlaps, laid strictly in accordance with the manufacturer's instructions and supplied by GCP.



## Health And Safety

There is no legal requirement for a Safety Data Sheet for Solarshield 100, Solarshield HC, Bituthene or Lap Roller. For health and safety questions on these products please contact GCP.

For Bituthene Primer B1 and Bituthene Masticread the product label and Safety Data Sheet (SDS) before use. Users must comply with all risk and safety phrases. SDS's can be obtained from GCP or from our web site at [gcpat.com](http://gcpat.com).

[gcpat.uk](http://gcpat.uk) | United Kingdom customer service: +44 (0) 1480 478421

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