

# Solarshield™

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

## Advantages

- Aluminium sheet - attractive, 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 adhesion 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 Grace self-adhesive membrane systems.

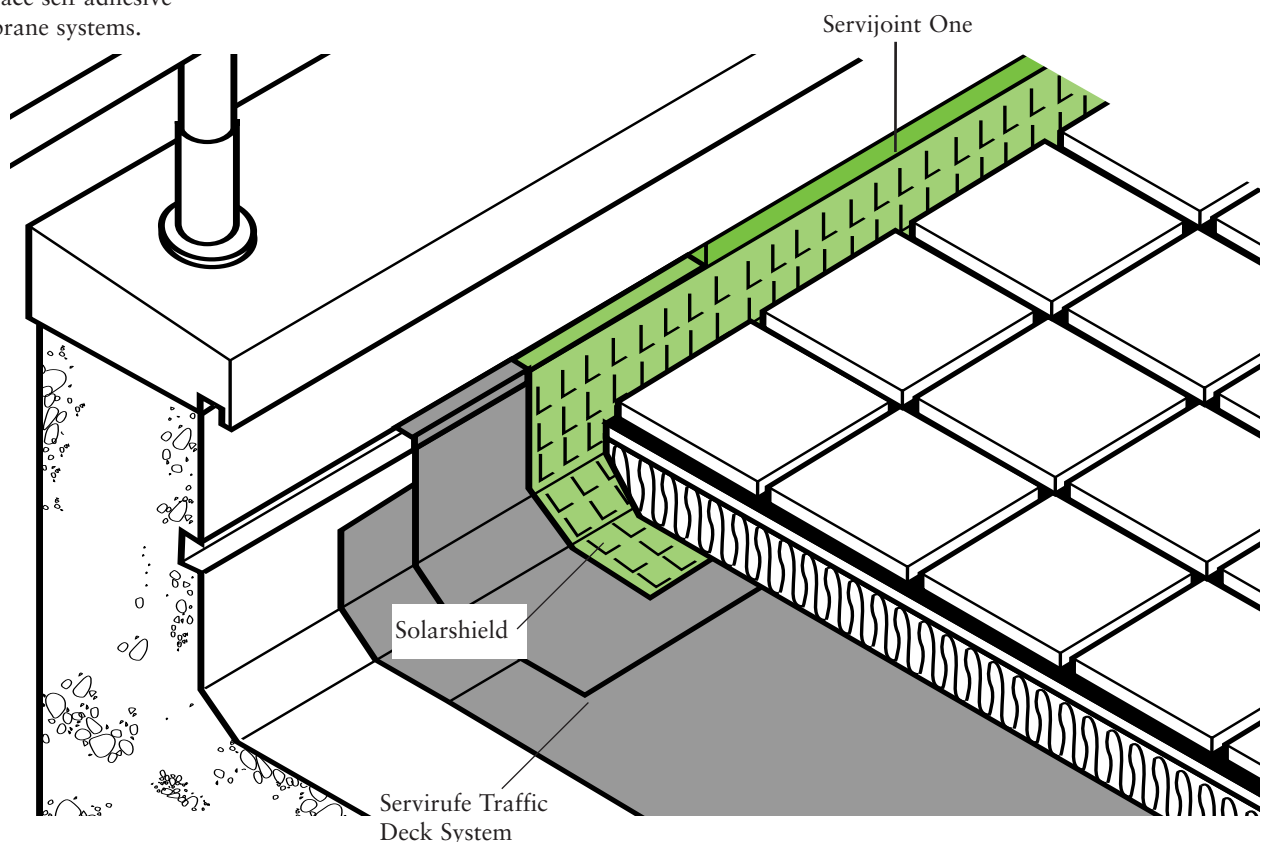
## Applications

Solarshield™ 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 and well rolling the joint to promote bonding.

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



## Supply

Solarshield™ STD	1 m x 10 m roll	1.5 mm thick
Solarshield™ HC	1 m x 10 m roll	Weight 22 kg gross
Palletisation	20 rolls per pallet	
Storage	Upright in dry conditions below +30°C	
<b>Ancillary Products</b>	See separate data sheets	
Bituthene® 4000	Waterproofing membrane	
Primer B1	Primer for porous substrates	
Bituthene® Mastic	Bituminous pointing mastic	
Servijoint® One		
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.

### Installation

The installation of the Solarshield should not be carried out at temperatures 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. 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 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.

### Health And Safety

There is no legal requirement for a Material Safety Data Sheet for Solarshield STD, Solarshield HC, Bituthene 4000 or Lap Roller. For health and safety questions on these products please contact Grace Construction Products Limited.

For Primer B1, Bituthene Mastic, and Servijoint One read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at [www.graceconstruction.com](http://www.graceconstruction.com).

### Specification

Solarshield™, 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 Grace Construction Products Limited, Ajax Avenue, Slough, Berkshire SL1 4BH, United Kingdom.

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*Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact Grace Technical Services*

 Visit our web site at [www.graceconstruction.com](http://www.graceconstruction.com)

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