

Bituthene® 8000 HC

Grey, solar reflective, flexible self-adhesive waterproof membrane comprising a rubber/bitumen compound and special composite film for use in hot climates only.

Advantages

- **Solar reflective surface** - reduces solar gain while membrane is temporarily exposed.
- **Dimensionally stable** - wrinkle resistant.
- **Hot climate grade** - specially formulated for high ambient temperatures
- **Single layer** - simple, reliable, low labour cost.
- **Cold applied** - self-adhesive overlaps ensure continuity.
- **Flexible** - accommodates minor settlement and shrinkage movement.
- **Chemically resistant** - provides effective external protection against aggressive environment.
- **Facilities Quality Assured Installation** - printed overlap line ensures minimum laps; light colour highlights accidental damage for simple patch repairs.

Applications

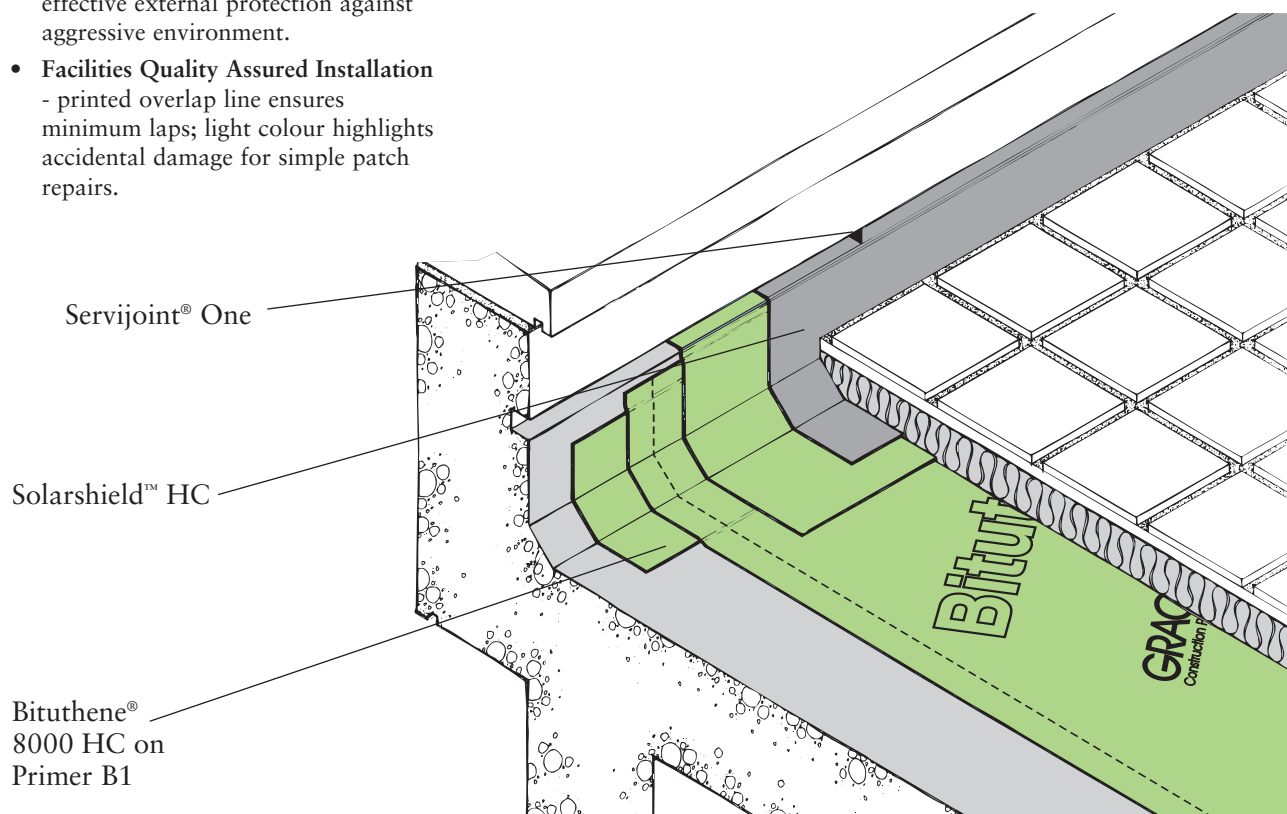
Waterproof membrane for inverted or protected membrane roofs in hot climates, such as the Middle East. Bituthene® 8000 HC is also suitable for waterproofing basements and other sub-structures in conditions where easier handling, because of reduced solar gain is an advantage.

Description

Bituthene 8000 HC is a unique 1.5mm thick flexible, preformed waterproof membrane comprising a grey HDPE composite film and a thick self-adhesive rubber/bitumen compound. The specially developed film is dimensionally stable

and reduces solar gain to facilitate application in high ambient temperatures. The adhesive compound is also formulated specifically for hot climates.

Continuity is achieved by overlapping adjacent rolls by 50mm and firmly rolling. Being factory made, the thickness of the membrane is constant throughout and is not subjected to variation by site labour as occurs with brush applied membranes.



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

Supply

| | |
|---------------------------|--|
| Bituthene® 8000 HC | 1 m x 20 m roll |
| Palletisation | Weight 32 kg |
| Storage | 20 rolls per pallet |
| | Store upright in dry conditions below 40°C |

| | |
|-------------------|--------|
| Nominal Thickness | 1.5 mm |
|-------------------|--------|

Ancillary Products

See separate data sheets

| | |
|-----------|--|
| Primer B1 | 5 and 25 litre drums |
| Coverage | 10-12 sq metre per litre depending on method of application, surface texture, porosity and ambient temperature |

| | |
|-------------------|-----------------|
| Bituthene LM | 5.7 litre packs |
| Bituthene® Mastic | 3 litre can |
| Lap Roller | Unit |

Ancillary Products

See separate data sheets

| | |
|-----------------------------|-----------------|
| Solarshield® HC | 1 m x 16 m roll |
| Servipak® protection boards | |
| Pak Adhesive | 5 litre can |

Equipment by Others

Soft brush, Stanley knife, brush or roller for priming. Stiff broom and airline for cleaning surface.

Installation

Measures should be taken to ensure that all surfaces are free from ice, frost or condensation. Installation is recommended between +4°C and +55°C. Roof slabs should be surface dry, free from standing water, and laid to a regular surface free from sharp protrusions and hollows.

Horizontal and vertical surfaces shall be smooth, regular, dry and free from nails and primed with one coat of Primer B1 applied by brush or roller at a rate of 10-12 sq m/litre depending on the porosity of the surface, and allowed to dry completely before the application of the Bituthene 8000 HC (horizontal surfaces under base slabs do not usually require priming before applying the membrane).

Bituthene 8000 HC shall be laid by peeling back the protective release paper and applying the adhesive face onto the

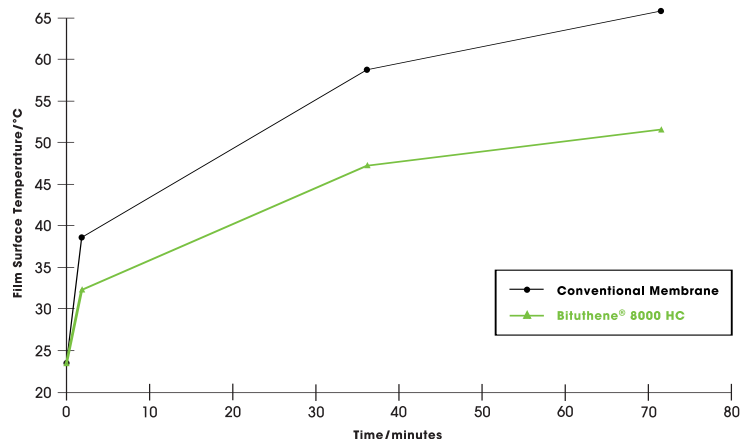
prepared surface. The material should be brushed on to the surface to ensure good initial bond. Adjacent rolls are aligned and overlapped 50mm minimum at side and ends and well rolled with a firm pressure using a Bituthene Lap Roller to ensure complete adhesion and continuity between the layers. In cool conditions, the application of gentle heat between layers by hot air gun or soft flame will assist in promoting adhesion at lap joints.

Areas of apparent damage should be checked and punctures or damaged areas should be cleaned and patched using Bituthene 8000 HC with 50mm laps all round.

Pipe entries may be sealed with Bituthene® LM extended over the adjacent flat slab area to give a minimum 50mm lap with the Bituthene 8000 HC. Bituthene LM is a two component compound for waterproofing irregular profiles in conjunction with Bituthene® systems. It is supplied in 5.7 litre packs. Following the application and inspection care should be taken to prevent damage by following trades. As soon as practicable after the application, Bituthene 8000 HC should be protected from exposure to the weather and physical damage using insulation boards laid dry.

Limitation

Bituthene 8000 HC is not intended for permanent exposure. Exposed areas of membrane at upstands etc, should be covered with Solarshield™ HC or similar flashing.



Comparison of Solar Heat Gain Over Time On Exposed Membrane Samples

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Health And Safety

Advice is given for the products listed in this data sheet.

There is no legal requirement for a Material Safety Data Sheet for Bituthene 8000 HC, Solarshield HC, Servipak Protection Boards, or Lap Roller. For health and safety questions on these products please contact Grace Construction Products Limited.

For Primer B1, Bituthene LM, Bituthene Mastic and Pak Adhesive 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.

Specification

Bituthene® 8000 HC preformed, solar reflective and damage indicative self-adhesive membrane shall be laid on to smooth concrete substrates and on to vertical surfaces primed with Primer B1, applying the preformed membrane sticky side downwards, to give well rolled 50mm overlaps, and shall be laid strictly in accordance with the manufacturer's instructions and supplied by Grace Construction Products Limited, Ajax Avenue, Slough, Berkshire, SL1 4BH, United Kingdom. Tel: +44 (0)1753 692929. Fax: +44 (0)1753 691623.

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