

SCP Installation Guide

- **BITUSHEET XL**
- **BITUSHEET HPS**
- **BITUSHEET - GAS BARRIER MEMBRANE**

Surface Preparation:

All surfaces should be smooth, clean and dry. Loosely adhering material and sharp protrusions should be removed by mechanical means. Concrete or renders should be allowed to dry before applying Bitusheet membrane.

Priming:

All vertical surfaces should be primed using Bitusheet Primer. Horizontal surfaces do not require priming where the membrane is covered with a screed, floor slab etc. Priming should be carried out as follows

- Roll can well before use.
- Apply at the rate of approximately 7m²/L. Only prime that area which is to be covered with Bitusheet within the next 4 hours. Allow to dry for at least 1 hour until touch dry. Keep free from dust.
- On very porous surfaces, use two coats of primer.

Application:

Internal angles must always be provided with an adequate fillet of concrete or SCP Bituflex Fillet, then after priming as previously described a 300mm wide reinforcing strip of Bitusheet must be applied with 150mm on either side of the centre of the fillet.

External angles or corners must be provided with a 25mm x 25mm splay and this covered with a 300mm wide strip of Bitusheet XL applied equidistant from the centre of the splay.

The first strip of Bitusheet should be laid such that the selvedge is placed to accept the edge of the following strip, with each subsequent strip laid in the same way. The protection paper should be removed from the selvedge before bonding the overlap joint.

Horizontal membrane should preferably be laid prior to the application of the vertical membrane, adequately protected from damage by a minimum 25mm screed or protection board, with the membrane bonded to the vertical surface at least 200mm above the top of the screed so that the vertical Bitusheet can be overlaid.

If it is not possible to apply the screed over the DPM before the application of the vertical membrane, full and adequate protection must be given to the horizontal membrane to prevent damage.

Vertical membrane - cut off the appropriate length of membrane, then starting at the top of the area to be waterproofed, peel off at least 200mm of release sheet and bond the Bitusheet firmly to the surface, tucking the end of the material into the appropriate DPC or chase. Gradually peel off the remainder of the release sheet downwards, at the same time rolling the material against the surface until the bottom of the wall is reached. At the base, the vertical membrane must overlap the horizontal membrane by at least 100mm.

All subsequent sheets must overlap the preceding sheet by 50mm at the edges onto the selvedge strip and by 100mm at ends. Overlaps must be thoroughly rolled to ensure adequate bonding.

Backfilling — on vertical applications where an abrasive backfill is to be used the Bitusheet membrane should be protected by a concrete outer skin, brick skin or Bitusheet protection board, the latter being held in place by SCP Joint Filler Adhesive.

Precautions:

Bitusheet and Bitusheet Primer must not be applied when the surface temperature of the substrate falls below 5°C. When a brick-skin is applied to the face of the vertical Bitusheet, care must be taken not to damage the membrane and a gap of 40mm should be left which is filled with sand/cement mortar as work proceeds.

Only sufficient Bitusheet should be laid which can be protected as work proceeds.

When areas of Bitusheet are left exposed for any length of time ensure that all edges are held in place by battens.

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