

# BASELINE 3 MESH Cavity Drain Membrane

## DESCRIPTION

Baseline 3 Mesh is a robust and durable low-profile air-gap membrane. It is moulded from high density polyethylene (HDPE) and incorporates integral 3mm stand-off studs at 20mm centres and a polypropylene mesh, which forms a key for plastering or 'dot and dab' dry lining.



## APPLICATIONS

- Use as an internal waterproof lining with drainage and ventilation capacity.
- Use on masonry or concrete walls.
- Use in new construction or in existing buildings.
- Use above ground for damp-proofing walls or in conjunction with a remedial DPC system where it is necessary to plaster the walls without allowing a period for initial drying
- Use underground for damp-proofing walls and vaulted ceilings.

## BENEFITS

- Resistance to water and water vapour
- Resistance to salt transfer
- Resistance to puncture, impact and loading
- Supports plaster, render and plasterboard adhesives
- Satisfactory for use in Type C (drained protection) constructions in accordance with BS 8102: 2009
- Effective for the life of the structure
- Easy to cut and quick to install

## INSTRUCTIONS

- All existing loose renders/plasters should be removed.
- 8mm holes should be drilled directly into the masonry and the membrane fixed to the walls using Twistfix Membrane Plugs at a minimum rate of 11 per square metre.
- Overlaps between the strips of membrane should be interlocked and sealed using Twistfix Waterproofing Tape or Waterproofing Rope.
- Butted joints should be sealed with Twistfix Fibre Tape
- Wall floor Junctions should be sealed using Twistfix Waterproof Corner Tape
- Refer to full installation guidelines given in the Baseline Membrane Method Statement document.

## ANCILLARY PRODUCTS

### Mesh Membrane Plugs

60mm long plastic plugs having a 50mm perforated head and a thermoplastic elastomer washer; the plugs are inserted into an 8mm hole to fix mesh membrane to brick, stone, and concrete.

### Waterproofing Tape

Double-sided butyl rubber tape for sealing overlap joints between the membranes.

### Waterproofing Rope

Butyl rubber rope for sealing interlocking joints between membranes, as an alternative to the tape, and for sealing around membrane plugs, as an alternative to the thermoplastic elastomer washer.

### Fibre Tape

Single-sided butyl rubber tape for sealing butt joints between membranes and sealing of articles protruding through the membrane. The fibre surface takes traditional renders and dot and dab adhesives.

### Waterproof Corner Tape

Wide single-sided butyl rubber tape for sealing wall/floor junction and sealing of articles protruding through the membrane.

## TECHNICAL SPECIFICATIONS

### Baseline 3 Air-Gap Membrane

### Properties

Material	HDPE
Sheet Thickness	0.5mm
Membrane Height	3mm
Air Gap Capacity	2.19 l/m <sup>2</sup>
Weight	0.5 Kg/m <sup>2</sup>
Water tightness at 60 kPa	>24 hours
Working Temperature	-50°C to +80°C
Softening Temperature	126°C
Mean Compressive Strength	160 kN/m <sup>2</sup>
<b>Roll Sizes</b>	<b>1m x 10m</b>
	<b>1m x 20m</b>
	<b>2m x 10m</b>