Alliance Remedial Supplies Ltd

Data Sheet
8mm Cavity Drain Mesh Membrane

DESCRIPTION

8mm Cavity Drain Mesh Membrane is a high density polyethylene cavity drain membrane which allows the isolation of wet walls above and below ground. The membrane incorporates a tough HDPE membrane with a mesh lathing welded to the front face to allow the direct application of various plaster finishes or adhesive 'dabs' and plasterboard. Large 8mm studs provide excellent drainage and ventilation capacity making it suitable for basement and cellar conversions.

Roll sizes: 2mtrs x 10mtrs (20m2) and 2mtrs x 20mtrs (40m2)

- Internal wall lining with drainage
- For walls above & below ground
- For floors above & below ground

BENEFITS

8mm Cavity Drain Mesh membrane provides a dry, warm and habitable living space in cellars, basements and other areas suffering damp conditions. It can be finished with proprietary lightweight plasters or with a traditional two coat 1:1:6 cement: lime: sand render and a skim finish. It can be dry-lined with bonding plaster, applied in 8mm thick (min) dabs covering at least 50% the membrane surface. After the plastered or dry-lined surface has dried, it can be painted or papered without any delay.

- Accepts direct plaster/render finish
- High durability and water resistance
- Low and high temperature stability

DISTINCTION

8mm Cavity Drain Mesh Membrane is suitable for waterproofing in accordance with BS8102: 2009 to provide Type 'C' drained protection to structures below ground, providing a Grade 3 dry environment that is suitable for domestic or commercial use. In basements it is essential that cavity drain membrane is used in conjunction with a suitable sump and pump facility (unless passive drainage is available). A complete range of ancillaries ranging from pumped drainage systems to mechanical ventilation units are available to ensure your basement conversions provides years of trouble-free service.

APPLICATION:

PREPARE SURFACES

Replace salt contaminated/friable plaster. Isolate sources of dampness/moisture. Treat moulds/fungi with masonry biocide.

METHOD STATEMENT

Work from the centre of the membrane outwards. Fixings are to be spaced at 250mm centres horizontally and vertically.

1. Drill 8mm diameter holes through the cavity drain membrane to a depth of 70mm.
2. Feed 70mm ‘Plaster Plug’ through ‘Plug Seal’ and offer up to pre-formed holes.
3. Drive the ‘Plaster Plugs’ into bores using a series of light taps to simultaneously fasten the membrane to the wall and provide a waterproof seal at each anchor point.
4. Interlock non-meshed edge studs, sealing seams between sheets with ‘Waterproof Butyl Tape’. Seal wall/floor junctions with ‘Butyl Corner Detail’

PLASTER/RENDER FINISHES

Option 1:
Two coats of Tarmac Whitewall High impact plaster, (or similar), applied to a total thickness of 15mm. The first coat is trowel applied and is pushed into and behind the mesh, filling the stud structure and giving a cover of approx 6mm. This should be scratched to create a key for the second coat.

After 24 hours a second coat should be applied to approx 9mm. The second coat should be sponged and trowelled to a finish.
Tarmac Whitewall plaster, (or similar), is based on mineral anhydrite (anhydrous calcium sulphate). This product has high impact qualities also.

Option 2:
Carlite bonding can be applied in two coats. The first coat 5-7mm is pushed into the mesh and is scratched to create a key for the subsequent 8-10mm coat, which can be applied 24 hours after the first coat has been applied.
A skim finish of 3mm is applied to create a smooth finish.

Note: Carlite bonding is not suitable for areas where high humidity is expected to persist, i.e.: bathrooms, kitchens, or where condensation is likely to occur.

Option 3:
Two coats of cement/lime/sand are applied in a 1.1.6 mix respectively. Each coat should be approx 7-8mm to a total thickness of 15mm. A minimum of 7 days should be left between coats to allow for stress cracks in the first coat, which are created during the drying process.

PRODUCT SPECIFICATION

Material: High density polyethylene
Roll size: 2.0m x 10m (20m2) 2.0m x 20m (40m2)
Sheet Thickness: 600 microns
Density: 0.7 kg/m2
Load bearing capacity: N/A Wall and soffit membrane only
Air volume between studs: 5.51 l/m2
Drainage capacity: 4.61ltrs/sec/m2
Thermal resistance: 0.078m2 K/W