

PAM2.5 MESH



THE FUTURE OF DAMPROOFING IS HERE!!!

PAM2.5 MESH is a high density polypropylene dimpled sheet membrane, designed as a physical barrier to hold back damp, salts or contaminants in the structure whilst still allowing it to breathe and dry out. The unique heat bonded mesh allows us to render directly to the membrane or apply dot and dab plasterboard finishes. Perfect for both above or below ground structures PAM2.5 MESH gives you the confidence to know your jobs are going to remain dry resulting in fewer 'call backs' guaranteed....every time.

Designed for use in the control of capillary action rising damp, salt contaminated walls, penetrating damp, flood remediation and earth retaining walls when installed in accordance with BS8102.

PAM2.5 MESH membrane prevents any moisture, moisture vapour and associated salts and contaminants within the structure affecting the internal finishes by providing a physical barrier between the old substrate and the new plaster/dry line finish. PAM2.5 MESH offers a fast and practical solution perfect for flood remediation of walls and floors. PAM2.5 MESH still allows the passage of water vapour behind the membrane and can be installed before the walls and floor have fully dried out – greatly speeding up the time it takes to reoccupy a flood affected or damp building*.

PLEASE CONTACT PAM TIES LTD FOR FULL SPECIFICATIONS OR ADVICE RELATING TO YOUR SPECIFIC JOB. PLEASE REMEMBER THE PRECISE CONDITION WILL ALTER WITH EACH INDIVIDUAL CASE.

*Pam Ties Ltd would always recommend the use of our PAMDY DPC Cream installed in accordance with BS6576 (2005) please contact us for more details

Suitable for brick, stone, block or concrete, PAM2.5 MESH is ideal for :-

Dampproofing

Dry lining after insertion of a damp proof course

Salt contaminated walls

Flood remediation

Chimney breasts

Penetrating damp

Forming a thermal layer which helps warm the surface and control surface condensation

Basement waterproofing when used as part of a cavity drain system

Dry line, render or tile directly onto membrane ; quick and easy to use requiring no special skills ; simply cut your membrane to size, place on wall with mesh facing outwards, drill and fix with our special polypropylene plaster plugs and then apply wall finish.

Pam 2.5 mesh membrane is an easy-to-use, opaque and waterproof membrane, with a 3mm profile, for damp proofing walls. The opaque colouring of our slimline plaster membrane makes it easy to work with as it is semi-transparent. The special mesh attached to one side forms a key which allows the user to plaster straight on to the membrane, or dot and dab plasterboard.

Pam 2.5 mesh membrane can be used above ground to waterproof damp walls, or below ground in basement and cellar conversions. We recommend that this waterproofing slimline plaster membrane is fixed to walls using Pam plaster plugs. These are available in 8x50mm or 8x70mm sizes and have a keyed slimline head and are suitable for boarding and/or plastering straight over.

Instructions for use:

1. Surface Preparation

Remove any damaged friable or loose materials from the substrate. Remove any protrusions which are likely to puncture the membrane or cause unnecessary undulations. Ensure no timbers are left in the wall covered by membrane unless suitable treated. NB electrical cables, pipeswork, sockets etc should not be covered using Pam membrane, remove any fixings and ensure membrane runs behind.

2. Fixing the membrane

When installing, studs face the wall, thus creating an air-gap which allows moisture in the wall to evaporate whilst blocking the passage of moisture and protecting finishes from salt contamination.

Drill through the membrane using a 7mm or 8mm drill bit according to substrate to give a secure fix.

3. Securing with Plugs

Fix the membrane to the wall using Pam plaster plugs. Using a large head hammer gently drive the plug into the pre-drilled hole. NB On earth retaining below ground walls Pam plaster plugs must be used with a seal or butyl rope around the plug to ensure a waterproof fix.

Allow approximately 15 plugs per square metre. Or a minimum of 300mm centres dependent on substrate.

Plugs can be used in all substrates: stone & brick, block, concrete etc.

4. Fleeceband

Use Pam Fleeceband butyl tape to seal joints between the membrane. This tape has a fleece lining to one side and will hold a plaster finish or plaster board.

5. Finishing with a direct plaster finish or plaster board

It is important to note that it is necessary to vary fixing centres dependent upon the finish to be applied. In all cases any plaster/render should be applied in strict accordance with the manufacturers instructions as well as good plastering/rendering practice outlined in the BS542 and BS5262 Codes of Practice. The minimum depth of plaster/render to be applied should be 15mm. To ensure a good mechanical key the first coat should be applied with firm pressure to a thickness approximately 6mm proud of the membrane surface and scratch finished to provide a key for the subsequent floating coat. Once the first coat has set and dried a 6mm floating coat should be applied and again scratch finished to form a key for the setting coat. Once the floating coat has set a 3mm setting coat may be applied. Various wall finish materials together with the appropriate fixing centres are described below:-

White Wall one coat plaster

Fixing centres should not exceed 300mm. Limelite white wall is a pre-mixed bagged plaster which works perfectly with our meshed membranes.

Sand & Cement Renders For Internal Use

Fixing centres should not exceed 300 mm. Renders do not possess the flexural properties and elasticity of pre-bagged plaster unless modified by additives. Each coat should be made up of 6:1:1 sharp washed sand: lime : cement. At least 10 days should be allowed between coats to minimise the possibility of shrinkage cracks, but even so some may still occur. Sand and Cement renders are not recommended for ceilings or barrel vaults.

Dry Lining

Pam 2.5 mesh Membrane is perfect for use in conjunction with 'dot & dab' plaster board dry lining techniques. Apply the plaster board bonding compound onto the Plaster Plugs fixing heads so that at



least 50% of the mesh face is generously covered with the bonding compound. Temporarily support the weight of the plaster board whilst the adhesive cures.

NOTES:

Do not apply any decoration onto newly plastered surfaces until it is totally dry.

Adequate natural ventilation or powered extraction, preferably with a humidistat control, should always form part of a damp-proofing programme especially when membranes are applied internally.

No responsibility can be accepted by Pam Ties Ltd for the performance of any plaster or render applied over Pam 2.5 mesh Membrane or any associated workmanship.

DESCRIPTION

PAM2.5 MESH is manufactured from polypropylene (PP). It is impermeable and resistant to the usual chemicals in the building construction. Studs are formed in a regular pattern on the one face of the product, spaced at approx. 25 mm centres, with a polypropylene mesh on the other side. The product is supplied in rolls of 20Mtrs in length.

WORKABILITY

PAM2.5 MESH is tough but pliable and can be easily cut with a knife or scissors.

STORAGE

Rolls of PAM2.5 MESH should be stored upright when stored over long periods. Preferably, this membrane should be stored under cover.

TECHNICAL DATA

Raw Material:	PP
Sheet thickness:	nominal 0.50mm
Construction height:	approx. 2.5mm
Stud height (net):	approx. 2mm
Unit weight:	0.505kg/m ²
Working temperature:	Max +60°C
Softening temperature:	+160°C



Linear coefficient of thermal expansion: 0.18mm/m°C

Life expectancy: at least 50 years for defined applications.

Water vapour resistance: 250 m equivalent air layer

Colour: Clear/Translucent

Mesh : White

CHEMICAL RESISTANCE

PAM2.5 MESH is resistant to all chemicals, to which it can be exposed, in normal building construction. A small number of aggressive chemicals (e.g. solvents), in large concentrations, can to some extent attack the Membrane during prolonged exposure. If the product is to be applied, for example as cladding to storage tanks for aggressive chemicals, the supplier should be contacted, with a view to assessing necessary action.

SIZES

Roll sizes : 1M x 20M2, 2M x 20M2