

## **PLATON PB2 MESH MEMBRANE**



### **DESCRIPTION**

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Platon PB2 Mesh Membrane is a thin (PP) cavity membrane developed specifically for use when damp-proofing above ground walls subject to rising damp, penetrating damp or salt contamination.

PB2 Mesh can be finished with plaster, render or plasterboard bonded using adhesive dabs.

Unlike wet or liquid applied forms of 'tanking', PB2 Mesh can be worked on immediately after installation without waiting for drying or curing to occur.

The return to use time of walls damp-proofed using PB2 Mesh is significantly less than for other methods.

### **USAGE**

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PB2 Mesh is unaffected by the presence of moisture or salts, making it ideal for use where conventional chemical injection damp-proofing and associated re-plastering might not work reliably or where penetrating dampness is the dominant problem. PB2 Mesh is ideal for:

- Barn or Mill Conversions
- Thick Random Stone Walls
- Contaminated chimney breasts
- Listed Buildings
- After chemical damp proofing.

The membrane can be applied to retained sound renders, brickwork, blockwork or stone, sometimes with minimal preparation when compared to waterproof rendering or 'tanking'. Existing paint or lime-wash can be retained.

The quality and appearance of the applied finishes will be a direct reflection of the underlying substrate. Uneven, loose or soft stonework may need to be dubbed out to level off and stabilise the background. Retaining sound cement render can be a good option if the substrate underneath is known to be in poor condition. Gypsum based plaster, wallpaper and any buried timber must be removed as these materials can deteriorate over time and in the presence of moisture.



PB2 Mesh can be used in conjunction with other Platon membranes and is particularly useful for lining window and door reveals where intrusion into the opening must be minimised.

PB2 Mesh is tough but pliable and is easily formed around internal and external corners.

When laying new solid floors, apply the PB2 Mesh to the walls first, then lap the floor dpm up in front of the Platon membrane. Seal as required and trim the dpm flush with the top of the finished floor.

PB2 Mesh is suitable for internal use only.

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### TECHNICAL DATA.

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Membrane Material:	Polypropylene
Sheet thickness:	nominal 0.50mm
Stud height:	Approx. 2.0mm
Construction height:	Approx. 2.5mm
Unit weight:	0.505 kg/m <sup>2</sup>
Working temperature:	Max. +60°C
Softening temperature:	+160°C
Linear Coefficient of thermal expansion:	0.18mm/m°C
Water vapour resistance:	250 M equivalent air layer
Life Expectancy:	At least 50 years for defined applications.
Colour:	Clear / Translucent Mesh – White
Storage:	Rolls to be stored upright and under cover if possible.

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### INSTALLATION.

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Platon PB2 Mesh is suitable for damp-proofing only.

See separate data sheets for Platon Membranes suitable for waterproofing works.

Remove loose and soft plaster/render, wallpapers and embedded timbers.

Dub out voids, hollows and loose areas of masonry using a cement mortar.

Offer up the membrane and fix in place using sealed Plaster Plugs (use Platon Rope or moulded Plaster Plug Seals).

Pull the membrane as tightly as possible against the structure to minimise hollow areas behind as these can interfere with the application of plaster or plasterboard.

Fit the membrane tightly into and around corners, again to avoid damage when applying finishes.

Use a minimum of 13 fixings per square metre, spaced out in a regular 'diamond' pattern.

In some cases, additional or alternative fixings, such as 'cob' plugs, may be required.

Adjacent pieces of PB2 Mesh are butted together (an overlap is not necessary), and sealed with Platon Overtape.

Finishes:

Tarmac Whitewall high impact plaster, sand and cement render (6:1 with SBR or 6:1:1 with hydrated lime) or renovating plaster are all suitable wet applied finishes.

A minimum of two coats should be applied.

The initial 'scratch' coat should be well worked into the mesh facing, the minimum thickness should be 6mm.

Allow to cure for 7-10 days before applying subsequent coats.

Do not allow the plaster or render to dry out too quickly or cracking may occur.

Apply no more than a total of 15mm of render or plaster.

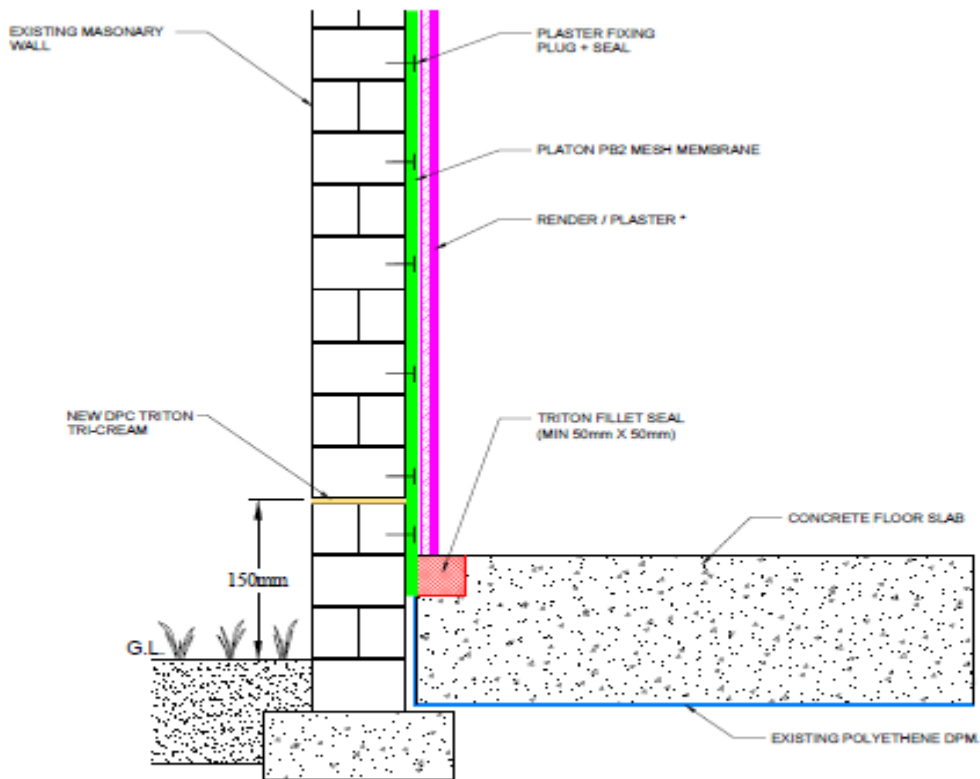
Plasterboard can be bonded using regular 'dab' adhesive or low expansion polyurethane foam adhesive.

Apply the adhesive over the heads of the fixing plugs and ensure that 50% of the membrane area is also covered.

This ensures that direct 'through' contact is made between the plasterboard and the masonry substrate.

Plasterboard fixed in this way can be skimmed the next day and painted or wallpapered a few days after that.

Drying times are very much reduced when compared to 'wet' systems.



\* EITHER PLASTER / RENDER FINISH  
OR DOT N DAB L/PLASTERBOARD

### ROLL SIZES & ANCILLARIES.

Rolls of: 1.0m x 20m<sup>2</sup>  
2.0m x 20m<sup>2</sup>

Plaster Plugs: box of 500 (at the rate of 13/M<sup>2</sup>, 540 are used with a 40M<sup>2</sup> roll)

Platon Rope: 5M roll (one roll per 100 Plaster Plugs)

Plaster Plug Seals: bag of 100

Platon Overtape: 25M roll (one roll per full size roll of PB2 Mesh)

### CHEMICAL RESISTANCE.

Platon PB2 Mesh is unaffected by moisture, chemical salts or cement/concrete.

**DELIVERY UNIT:** Pallet rate = 16 x rolls/pallet

For further information, contact:

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Ref: PLATON PB2 Mesh Membrane