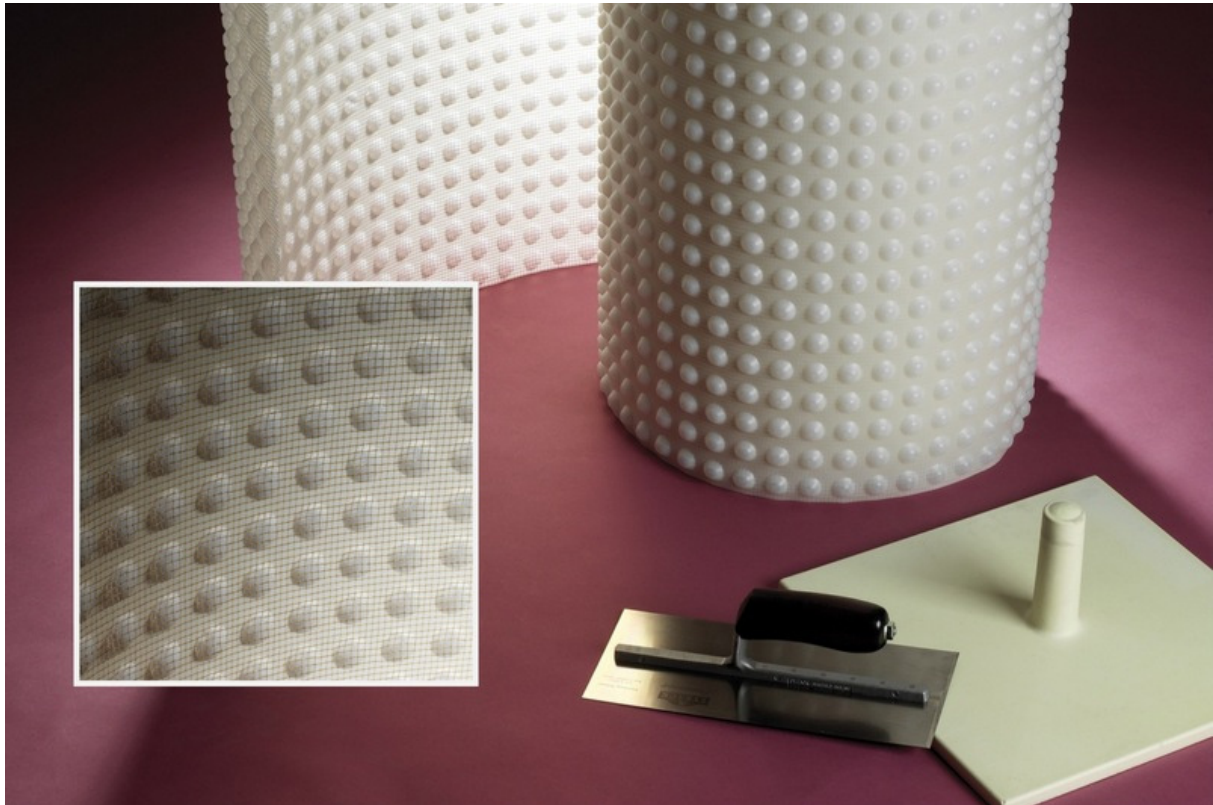


PLATON PLASTER MESH



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is a dimpled sheet cavity drain membrane for use in waterproofing or damp-proofing specification. The bonded mesh layer on the front of the membrane allows the direct application of plasterboard (on adhesive dabs), plaster or render.

This is of particular benefit where space constraints prevent the use of timber or metal frame drylining or the installation of a blockwork liner wall or where a direct render or plaster finish is preferred, e.g. a vaulted ceiling. Plaster Mesh can be used to deal with and provide isolation from, rising or penetrating damp, salt contamination and running water (when used in conjunction with Triton Aquachannel, P20 or P8 floor membranes and Aqua Pump Pro sumps and pumps).

When used within a fully designed and specified waterproofing design, Platon Plaster Mesh can provide a Grade 3 environment, as laid out in BS8102:2009.

Platon PLASTER MESH is for use above or below ground and unlike wet or liquid applied forms of 'tanking' it can be worked on immediately after installation without waiting for drying or curing to occur.

BENEFITS OF PLATON PLASTER MESH

When compared with other forms of waterproofing:

- No extensive preparation of structure.
- Water is directed behind the membrane to a drain channel for gravity drainage or a sump for pumped discharge.



- Ingressing water is de-pressurized and managed within the system and not diverted to other areas.
- Complete freedom of choice of wall finishes.
- Rapid and straightforward installation.
- Impermeable to water and water vapour.
- Reliable 'Type C' Waterproofing.

THE PRODUCT

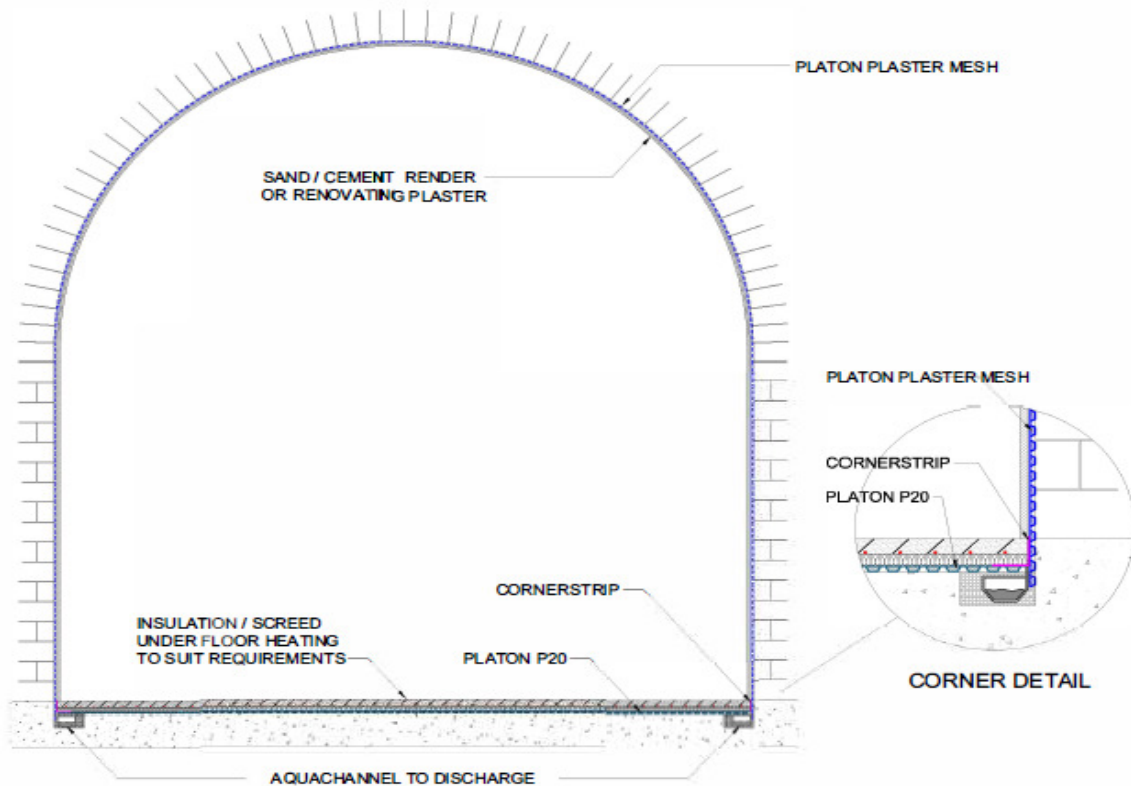
Platon PLASTER MESH is manufactured from high-density polyethylene (HDPE) with a stud height of 8mm. Plaster Mesh is supplied in rolls measuring 2m x 20m and is clear/translucent in colour. It is recommended for internal applications only. Platon Plaster Mesh can be used in conjunction with other Platon membranes, above or below ground.

INSTALLATION

Platon PLASTER MESH can be applied to retained sound renders, brickwork, blockwork, stone or concrete. The quality and appearance of the applied finishes will be a direct reflection of the underlying substrate. All surfaces must be of a sound, firm nature and any loose areas should be removed prior to application. Uneven, loose, or soft brick/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. Where necessary a fungicide wash should be applied to the wall surface.

Platon PLASTER MESH can also be used on floors and the mesh can be useful when underfloor heating pipes need to be firmly located before a screed is laid. Small 'zip' ties threaded through the mesh provide a firm anchor without penetrating the membrane. 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, mesh side facing into the room, and fix in place using sealed Plaster Plugs (use Platon Rope). 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. Use a minimum of 13 fixings per square metre, spaced out in a regular 'diamond' pattern no more than 250mm apart. Drill through the membrane in the centre of a 4 stud cluster, rather than through the stud itself. In some cases, additional fixings may be required in order to produce a stable and tight membrane layer. Fit the membrane tightly into and around corners to avoid damage when applying finishes.

Platon PLASTER MESH is joined by overlapping the edge of one sheet by another underneath by a minimum of 2 studs. Fix Platon Plaster Plugs through the studs as close as possible to the edge of the membrane. Fixings should be made at 150mm centres along the joint. Once all fixings are in place, clean the membrane surface thoroughly and ensure it is dry and free from dust. Apply Platon Overtape along the joint with equal overlaps of the tape onto each sheet of membrane and press firmly into place. If, for some reason the membrane edges are in tension or are likely to try and pull apart, reinforce the joint with Platon Cornerstrip before applying the Overtape. Refer to the Platon cavity membrane installation guide for further information.



FINISHES

Most common lightweight and renovating plasters (Tarmac Whitewall) or sand/cement renders can be applied to **Platon PLASTER MESH**.

(The use of British Gypsum Hardwall or Tuff Coat is not recommended).

When using sand/cement renders, mixes of 1part cement to 6 parts washed plastering sand, incorporating either **Triton SBR** or hydrated lime should be used.

NB Grade 'M'; medium sharp sand should be used.

Do not use soft or building sand.

All renders/plasters should be applied in a minimum of two coats, allowing the 1st coat of 7mm – 10mm to be trowelled firmly into the mesh facing and then scratched to provide a key for subsequent coats to be applied.

The first scratch coat should be left to cure and harden, ideally this should be 7 – 10 days depending on site & atmospheric conditions

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

The minimum plaster thickness should be 15mm and the maximum thickness (sand/cement 30mm) (lightweight plasters 40mm).

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.

DRAINAGE

If free water is present or there is a risk of it occurring, provision must be allowed for the water to flow to natural drainage or a sump and pump. (*BS8102:2009*).

Triton have a full range of Sumps and pumps, control panels and water level alarms and monitors.



ROLL SIZE AND ANCILLARIES

Rolls of: 2M x 20M

Plaster Plugs: box of 500 (at the rate of 13/M², 540 are used with a 40M² roll.

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

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

Platon Cornerstrip: 10M roll, used as joint reinforcement.

TECHNICAL DATA

Membrane Material:	High Density Polyethylene.
Sheet thickness:	0.70 mm approximately
Stud height:	8mm
Unit weight:	0.700kg/m ²
Air gap volume:	5.5 litres/m ²
Compressive strength:	150 kN/m ²
Colour:	Clear/translucent
Service temperature range:	-40°C to +80°C
Storage:	Rolls to be stored upright and under cover if possible.

NBS Clause: J40 (Flexible sheet tanking, damp proofing) 290

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