

Permaproof Waterproofer

Description

Permaproof Waterproofer is a high performance waterproofer, salt inhibitor and mortar plasticiser additive designed for use in sand / cement mixes following the insertion of a new chemical DPC and in other damp proofing/ waterproofing applications.

Following a new chemical DPC injection, the correct re-plastering procedure is extremely important. Hygroscopic salts in the masonry and plasterwork introduced by rising damp may cause moisture to be attracted to the wall. This causes further dampness and decorative spoiling, giving the impression that the new chemical DPC injection has not been successful.

It is inherent that the existing salt contaminated plaster and render is removed back to the background substrate and the following re-plastering specification be followed.

Re-plastering should be carried out as long as possible after the insertion of a remedial damp-proof course. Ideally the new plaster should be applied to surface-dry walls, but in any case a drying period of at least 14 days should be allowed between installation and re-plastering wherever possible.

Features

- 3 in 1 additive
- Highly concentrated formulation
- Instils salt retardant and waterproofing properties
- Improves workability
- Dilutes on site with water
- Reduces water demand
- Remains vapour permeable



Preparation

- Masonry joints should be raked out and all surfaces thoroughly cleaned to remove dust or other friable material.
- All trace of previous gypsum plaster must be removed.
- Any organic matter (including timber fixings) must be removed and, where appropriate, fixing Point which necessitate cutting into the background prepared.
- High suction surfaces should be thoroughly wetted or primed using Permagard SBR Bonding Additive.
- Where high levels of salt contamination are present, Permagard Salt Inhibitor can be applied to the surface before the application of the render.

Application Procedure

First Coat

A mix of 3 parts by volume of washed sharp sand to 1 part of cement gauged with potable water containing 1 part of Permaproof Waterproofer per 24 parts of water. In areas of severe salt contamination the concentration can be increased to 2 parts Permaproof Waterproofer to 23 parts water.

The constituents of mixes should conform to the following description:

- Ordinary Portland Cement (OPC) to BS EN 197-1:2011
- Aggregate-clean sharp washed sand. The coarsest, sharpest sand suitably graded for plastering should conform to BS EN 13139:20023
- Water – fit for drinking and free from organic matter.

Add minimum amount of gauging water to dry mix to ensure a dense coat. An approximation of not more than 8 litres per 50 kilos of dry mix should be used as a guide. Render the surface to give an overall thickness of between 10-15mm ensuring that the mix is compacted into the joints. Scratch to form a key when the cement obtains its first set. Do not over trowel.

Second Coat

This mix is as for the first coat applied to give an overall thickness for two coats of about 25mm. Apply this coat before the first coat has finally set in order to obtain satisfactory adhesion between the rendering coats. Scratch the surface to form a key. Do not over trowel.

Final Coat

This should not be applied until the plaster has set and dried, with a minimum of 24 hours being allowed after application of the float coat even under ideal curing conditions. The finish plaster (e.g. Thistle Board finish, Thistle, 'Multi', Limelite Finishing) should be applied at 1.5 - 3 mm thickness. Since a polished surface is undesirable do not over trowel.

Finishing Work

The insertion of a DPC only controls further vertical ingress of water ie rising damp. The walls above DPC level remain wet and need time to dry out. This drying out time is governed by the initial moisture content of the wall thickness. BRE Digest 163 gives a general rate of 1 month

drying out time for every 25mm of wall thickness.

Redecoration

The first decorations following treatment should be regarded as temporary and the recommended decorations at this stage are as follows.

- Delay for 2-6 weeks following re-plastering and allow good ventilation to aid drying.
- Redecorate using a low cost trade matt emulsion (non vinyl).
- Do not use wallpapers for at least 1 year. Vinyl wallpapers for at least 2 years.
- Allow good ventilation around treated wall surfaces.
- Where early decoration is desired consideration should be given to lining walls with a membrane system in accordance with BS 6576. See separate data sheet.

General Notes of Importance

Plasters must not bridge the DPC line and must finish short of the floor. Do not render below the injection holes. This will prevent damp within solid floors transferring itself to the new soft setting coat. Unstable masonry must be made good prior to rendering. Angle beads etc can be 'dabbed' with the sand and cement mix to avoid salting. Gypsum plasters must not be used to bond these metal angles to corners. Any timber skirting to be re-fixed should have all unpainted surfaces treated with three coats of wood preservative. All new timbers or timber fixings should be similarly treated. Do not use lightweight gypsum premix backing or bonding plasters e.g. Carlite.

Technical & Packaging

Packaging:	5 litre & 25 Litre containers
Coverage:	1 litre of concentrate is sufficient for approximately 7m ² of render at 12mm thickness
Storage:	A storage temperature within a range of + 5 to + 25°C, protect from frost
Shelf Life:	12 months in original unopened container
Tools:	Clean with warm water

Health & Safety

Permaproof Waterproofer is classified under current EC regulations. As with all chemicals we recommend goggles, nitrile gloves and impermeable coveralls are worn when handling this product. For further details please consult the safety data sheet.



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