



RENEW walls damaged due to damp and other causes

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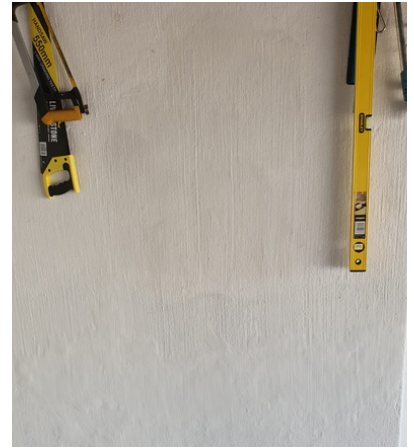
Prepare

2



Repair

3



Decorate

Wall RENEW

Damp in walls can only be treated in one of two ways namely, by stopping damp getting into the wall or stopping the damp coming out and pushing off paint or plaster. The Wall RENEW concept includes penetrating chemicals for water repellence, bonding agents with crystalline additives for waterproofing and a waterproof plaster for re-instatement of the damaged area. A decorative cement-based coating for final appearance.

SAMSON products required are:

1. P3 Coat X as primer coat containing microcrystalline for waterproofing.
2. CrystalSkim mortar contains microcrystalline for waterproofing and is applied by trowel
3. DecorTex is a paintable, cementitious and decorative waterproofing coating, available in a variety of colours
4. DecorGuard is a protective, water repellent coating to prevent any water ingress.

PREPARE

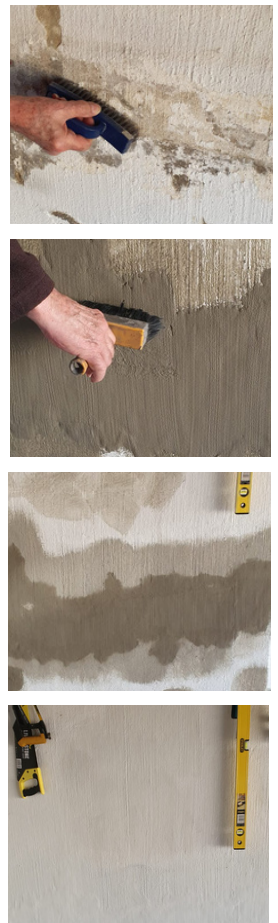
Locate the source of the moisture, water has an amazing ability to find a way in. Remove all damaged paint and plaster down to sound brick or concrete base. Use the appropriate SAMSON product to fill cracks or repair zones which allow moisture ingress (e.g. where outside paving or soil is above the level of the damp course or where underground water may be penetrating the foundations. Consult SAMSON Technologies for specialist advice). Follow up to ensure water source is found.

REPAIR

Apply SAMSON P3 Coat X and CrystalSkim mortar in accordance with SAMSON instructions and scrape this level with the undamaged areas. Finish the CrystalSkim with a rubber, steel or wood float, or if more appropriate, use a wetted brush for a textured finish to match the wall. Do not water cure the CrystalSkim but protect it from sun and wind to avoid too early drying.

DECORATE

SAMSON DecorTex is the ideal cement-based coating to finish off the repair. Where matching of existing paint colours is required overcoat the DecorTex with a matching colour, acrylic water-based paint. Where this process is used on walls subject to rain, a flood coat of DecorGuard water repellent treatment will ensure repairs are water tight. SAMSON DecorGuard may be applied to painted or unpainted surfaces to induce water repellency and therefore making the walls watertight.



SOLVING TYPICAL DAMP PROBLEMS IN BUILDINGS

Damp buildings contribute to the ill health of people living or working in them. Porous bricks or concrete blocks may be water-proofed by using Siloxane Solution or DecorGuard. Where algae or fungus are encountered use an algacide or fungicide such as Hypochloride. (See below). Furthermore, wet walls are difficult to warm and can contribute to colds and chills. Air conditioners are also suspect since condensation is a natural result of the cooling of hot air and drainage should be inspected to ensure that air conditioner drainage does not contribute to damp problems.

The use and benefits of penetrating water repellents:

Unplastered, unpainted outside wall surfaces can be rendered water-tight by the correct use of water repellents. SAMSON Technologies have 3 systems to address absorbency of untreated surfaces, these are:-

- Solvent carried Silane or Siloxane concentrates - **Siloxane Solution**
- Water based emulsions of Silanes or Siloxanes - **DecorGuard**
- Solvent carried Methylmethacrylate resin - **MM Sealer Siloxane, MM Sealer Primer, or MM Sealer Combo**

Flood Coat Application:

Liquid water-proofing treatments for walls do not have “a coverage rate”. By using the flood coat method differentials in porosity of various surfaces are addressed. A very porous, common brick wall may need 1 to 1.5 litre of products per square metre. Alternatively, a dense plastered or already painted surface may only require 1 litre to cover 6 square metre. Start at the top spraying evenly and then continuing to progress down the wall spraying wet on wet leaving no dry spots.

Effective Life of penetrating Water Repellents:

A good quality product correctly applied will provide at least 5 years and up to 10 years of effective protection. If the effectiveness wears off simply re-apply the product.

Treating algae or fungus growth:

Spray algacides or fungicides (such as: hypochlorite or Household bleach) to destroy mould which can then be wire- brushed off. Concrete surfaces should then be treated with a suitable hydroxide conversion chemical (such as – SAMSON HC Densifier) and thereafter, rendered water-tight with one of the spray-on water repellents listed above.

General Note:

SAMSON Siloxane Solution or DecorGuard will not change the appearance or colour of substrates to which it is applied. The “MM” products will slightly darken and provide a low sheen on substrates.