Microsilan

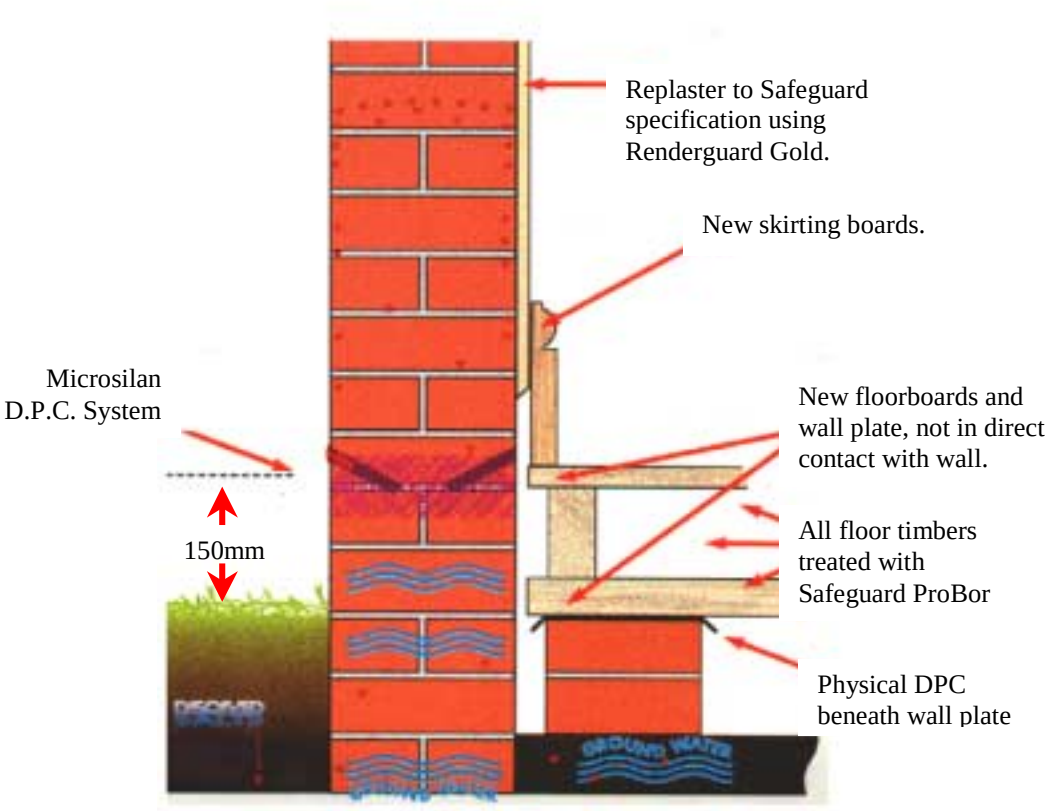
High Performance DPC Injection Fluid Concentrate

Description

Microsilan is a new, hybrid, silicone-based concentrate which, when diluted and injected into masonry, forms a chemical damp-proof course. Microsilan utilises novel water-based silane technology, which results in a high performance, low odour injection fluid.

Microsilan has a multi-component formulation which means that it develops initial water-repellency quickly, but also allows further diffusion to form a more evenly distributed damp-proof course. Further advantages include.

- BBA Approved
- Non-Flammable
- Enhanced Spread Characteristics
- Faster Injection Times Than Conventional DPC Fluids



Preparatory Work

Remove carpets and furnishings from the area to be treated. Paths, patios and glass surfaces must be protected from spillages. Remove timber skirtings and save for refixing where possible. Remove all plasterwork to a minimum height of 1 metre or 500mm above the highest evidence of damp/salt contamination.

Mixing
Dilute 4 litres (1 pack) of Microsilan with 21 litres of clean water to make 25 litres of ready for use fluid. Once diluted the product is stable and can be used when required.

Drilling
Choose a line for the insertion of the damp proof course not less than 150mm above the external ground level and as close to the internal floor level as possible. Holes should be 10-14mm in diameter, depending on the size of the injector nozzles, and spaced at no more than 170mm centres. Drill either directly into the mortar or down at an angle, through the brick, and terminating in a mortar bed.
The precise drilling method should be determined after a trial assessment of a short run of wall.
For advise on injecting substrates other than brick walls, please consult the Safeguard guide, "Rising Damp and its Control."

Injection
Insert the injector nozzles into the wall and tighten to seal. Pump the dilute Microsilan into the wall at a pressure between 10 and 80psi. Longer injection times at lower pressures are safer and potentially provide more even distribution. However, dense, impermeable substrates may require higher pressures.

Injection times can be reduced by using a Rapiject DPC injection nozzle, available from Safeguard.

Finishing
Plug the injection holes with a sand/cement mortar or plastic plugs. Leave wall unplastered for as long as possible to speed up the drying out process.

Replastering
In order to complete the damp-proof course effectively, re-rendering must be carried out strictly in accordance with the Safeguard re-rendering specification (see Renderguard Gold datasheet).

Storage
Store above 5°C. Store out of direct sunlight.

Coverage (approximate)
For 115mm (4.5") walls, inject 1.3 litres of dilute material per metre run of wall.
For 228mm (9") walls, inject 2.6 litres if dilute material per metre run of wall.
For thicker walls, multiply these figures up accordingly.

Health and Safety
Read material safety data sheet, available on request.

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