

Solver Paints

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Solver Paints is the registered trademark
of WP Crowhurst Pty Ltd A.B.N. 65 007 527 371



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PRODUCT INFORMATION

SS-110

ETCHING OF CONCRETE

All concrete, both new and old, must be acid etched in the following manner:

1. Etch with a mixture of 1 part (32%) Commercial Hydrochloric (Muriatic) Acid and 2 parts clean water. Add acid to water when mixing. Do not add water to acid as reaction may be violent. Apply about 1 litre of this mixture to 3 square metres of concrete. Thoroughly wet the entire concrete surface area directly from a plastic watering can (or other suitable method). Before scrubbing, ensure that entire surface is wet with acid mixture. The wet area should then be scrubbed to ensure penetration of acid into concrete. Do not rely on scrubbing to distribute acid mixture to dry areas as this acid will already be partly reacted and thus be ineffective on dry concrete areas.
2. **CAUTION:** *Hydrochloric acid is corrosive and needs to be handled with care. Avoid contact with the skin and eyes. Wear impervious gloves and protective goggles. If skin contact occurs remove contaminated clothing and wash skin thoroughly. If splashed in eyes wash out with large quantities of clean water and obtain medical attention. If swallowed do not induce vomiting. Drink plenty of water or milk and obtain medical attention.*
3. The concrete must be well wet with acid. It should bubble for 3-5 minutes. Allow 10-15 minutes for the etching action to be complete.
4. If acid does not react with concrete it is an indication that the surface of the concrete was not free of oil or grease, and further cleaning treatment is required. Repeat acid etching until the reaction occurs. If necessary increase concentration of acid.
5. When etching is complete, wash the surface down with plenty of fresh water. Brush during washing with a stiff brush to remove concrete salts.
6. When the surface is properly etched it will appear slightly granular and free from any glaze.
7. On very dense machine-trowelled surfaces, repeat applications of acid may be necessary to get a properly etched surface.
8. Allow the surface to dry thoroughly. A moist surface will not allow proper adhesion of the paint. 7 days should be considered a normal drying time. Before painting, the presence of moisture can be detected by laying a piece of clear plastic on the surface to be coated. Tape all round the edges, ensuring a good seal and leave for two (2) hours during daylight. If moisture condenses under the plastic, do not coat, but leave surface to dry and test again.
9. Before painting sweep thoroughly or vacuum to remove dust and grit left by the etching process.

CHANGES SINCE LAST ISSUE:



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