

Permaseal Series-2000 Acrylic Sealers

Perma-Colour Series 2000 acrylic sealer is a 100% solvent based clear coating suitable for sealing all concrete products including pattern stamped, stenciled, coloured and plain concrete, Flo-Crete concrete toppings, exposed aggregate, and terracotta tiles etc.

The sealing process provides a stain, oil and dirt resistance barrier, as well as a UV protection against premature fading or bleaching of colors; thus providing a non-yellowing, durable, chemical resistant and weather proof high gloss protective coating.

Areas of use for P.C. Series 2000 acrylic sealers include driveways, roadways, patios, pathways or wherever concrete surfaces commercial or industrial require a protective sealer coating.

Because of the volatile nature of the solvent base of these products, precaution must be taken in storage, handling and use. Suitable breathing apparatus must be used, sealer should not be stored in direct sunlight and people, animals, foodstuffs etc. must be guarded against contamination from vapours.

Surface Preparation:

As with all surface coatings, preparation of the surface to be coated is most important for the adhesion and durability of P.C. series 2000 sealers. The concrete surface to be coated must be clean and dry and free of all contaminants such as oil, grease, dirt, dust and mould.

Opening and cleaning of the concrete pores by acid etching and water blasting allows penetration of the sealer into the concrete for ultimate adhesion and performance. (Acid wash 10 Parts water to 1 Part Acid)

Pattern Stamped Concrete:

- Remove excess release agents by hose.
- Mild acid washing followed by water blasting will remove any contaminants that clog the concrete pores. (Varying the acid / water ratio will vary the amount of release agent staining you require to be left visible).
- Never allow the acid solution to dry on the surface, ie only do small sections at a time.

Stencil Concrete:

- Mild acid wash and water blast.

Coloured and Plain Concrete:

- Mild acid wash and water blast.
- Steel troweled surfaces must be etched with a stronger acid solution (due to the closed up smooth surface).

Flocrete Concrete:

- No Etching required – just blow or sweep the area clean making sure the area is free of all loose materials & dust etc.

Terracotta:

- Acid etching may cause some terracotta to discolour, so a detergent wash will suffice.

Reseals:

- Original solvent based acrylic sealer does not need to be stripped off, just cleaned appropriately then resealed.

Application:

Once the surface has been adequately prepared, sealing may be commenced once the concrete is dry and free of moisture. Clear sealers will turn milky if applied to moist surfaces.

To provide a durable coating, at least 100 microns of dry film is essential (this requires two (2) coats applied at 500 mls per four (4) square metres. The first coat of the sealer penetrates and provides adhesion. The second coat provides a build of polymer resin for strength and durability.

Permacolour hardcote sealer 2500 is high in solids content 25%, suitable for Stamped & Stenciled concrete (not requiring same day sealing).

Permacolour hardcote same day sealer is suitable for stencil concrete work requiring sealing the same day as it was sprayed.

Non slip products are available from your Perma-Colour supplier and are recommended where a non-slip surface is required. If applying more than two coats, allow twenty four hours drying time before applying the third coat, as delamination or bubbling may occur due to excessive film build up without adequate curing time.

Glass beads or carborundum for a non slip finish is broadcast over the first coat whilst still tacky, the second coat can be applied once the first coat is dry (1-2 hours depending on drying conditions). Nonslip additive in powder form is mixed in with this second coat.

If you are applying more than 2 coats, allow 24 hours drying before the third coat, as delamination or bubbling may occur due to excessive film build-up without adequate curing time.

If applying sealer through an airless sprayer you may need to dilute the sealer with solvent (available from your Perma-Colour stockist) so as not to cause cobwebbing.

Sealed surfaces may be walked on when dry, light foot traffic, but heavy traffic areas should be protected until the sealer reaches maximum cure after 24 hours.