

Guide for Resealing Decorative Concrete Pavements

Introduction:

Resealing decorative concrete is a discretionary maintenance requirement of pavement owners who must ensure proper surface preparation and sealer application methods to achieve the result expected.

Important Note:

The intended purpose of sealer application on new decorative concrete is to limit concrete porosity to the point where it would be consistent with the principles of concrete curing and improved surface cleaning performance. Durability is entirely dependent upon in-service conditions to which the pavement surface is exposed and, maintenance. All clear acrylic sealers will deteriorate in time and by use and weathering. They are not designed to achieve permanent enhancement of concrete coloration systems nor neither will they provide a permanent barrier against staining agents or chemicals.

Special precautions before resealing:

Pavement surfaces that have been resealed with acrylic sealing compounds more than three (3) times within 1-2 years after completion of the pavement may or will require special precautions to affect proper product application and performance. Seek technical and procedural advice from Designer Concrete Coatings Pty Ltd. Resealing moderate to steep graded pavements is not recommended. Reduced slip resistance will result.

Re-Sealing Guidelines:

- **Step 1 – Clean the Surface.**

Before resealing the surface must be thoroughly cleaned. Use a high pressure water blaster (≥ 2000 psi) or scrub with water / detergent so as to completely remove dirt, grease, oil and other deposits. Stains from plant debris or leaves are usually difficult to remove completely unless treated with a mild hydrochloric acid solution in strict accordance with recognized method. Tyre marks entrapped in the existing sealed surface may be generally removed using Designer Concrete Coating T.M.R made for this purpose.

Allow 24 hours (warm weather conditions) to ensure that the pavement is completely and thoroughly dry before resealing.

- **Step 2 – Apply Sealer Coat.**

Use Designer Concrete Coatings 'Decorative Concrete Sealer'. Apply evenly and uniformly using a solvent resistant broom or lambs wool paint roller.

Coverage of 3-5m² / litre may be expected subject to concrete porosity and surface texture.

- **Step 3 – Allow Sealer to Cure.**

Curing time: Curing (drying) time is dependant upon ambient temperature and wind velocity at the time of application. At 25°C, for example, sealer may be touch-dry in 30-45 minutes. Allow at least 24 - 48 hours before opening to pedestrians and at least 72 hours before driving or parking motor vehicles on freshly sealed surfaces.

Sealer Application Precautions and Limitations:

Acrylic sealer compounds for concrete pavements must not be applied if daytime temperatures are below 10°C or above 25°C or, if rain is forecast. Concrete surfaces must be completely and thoroughly dry otherwise performance outcomes will be compromised.

Read manufacturer's safe handling advice and application instructions displayed on all pails and drums of Designer Concrete Coatings sealer and solvent products before use.

Slip resistance may or will be reduced when acrylic sealer is applied and/or reapplied on smooth concrete surfaces or steep to moderate sloping pavements. Surface texture should have appropriate slip resistance for the pavement grade as advised by AS/NZS 4586 - 2003. Where slip hazards may occur refer to guidance given in AS/NZS 3661.2:1994 Guide to the reduction of slip hazards.

Designer Concrete Coatings decorative concrete sealer products are specifically formulated for use on hardened concrete surfaces and are not suitable for neither clay-based or cement-based pavers or tiles.

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