

SHIELDCOAT TECHNICAL DATA SHEET

CONCRESHIELD HEAVY DUTY CONCRETE SEALER



DESCRIPTION

Concreshield is a high-performance, xylene-based topcoat designed to enhance and protect concrete surfaces such as garages, driveways, carports, and pool areas. Unlike conventional coloured sealers, it features a unique thickening agent that's added prior to pigmentation, ensuring superior coverage and an extended lifespan. Delivering both vibrant aesthetics and exceptional durability, Concreshield Coloured is the perfect solution for those seeking a long-lasting, professional finish.

Low Sheen and Gloss

Available in 4L and 20L pails

APPLICATION GUIDE

Surface Preparation:

- For smooth finish concrete (e.g., garages), acid etch and neutralise before application.
- For broom finish concrete, perform a thorough pressure cleaning.
- Oil stains, brake dust, and tyre marks must be treated with a degreaser before pressure cleaning.
- Conduct an adhesion test in an inconspicuous area before full application.

First Coat Application:

- Thin the first coat with 20-30% Xylene Thinner for better penetration on smooth surfaces.
- Apply using a brush or nap roller to cool, clean concrete.

Second Coat Application:

- Apply a second coat without thinning for consistent, long-lasting coverage.

Re-Coating Existing Sealers:

- Re-coating solvent-based sealers is possible.
- Ensure all loose or flaking material is removed before applying Concreshield to achieve a durable finish.

APPLICATIONS

- Garages
- Carports
- Sheds
- Patios
- Pathways
- Driveways

ADVANTAGES

- Self-Priming
- Advanced Adhesion
- Superior Durability
- Easy Re-Coat
- Will not discolour
- Wide colour range
- Low sheen or Satin finish

IMPORTANT SAFETY & USAGE NOTES FOR CONCRESHIELD:

Use in a well-ventilated area and take regular breaks when working indoors and always test adhesion before starting the application. For exterior applications, use an anti-slip additive to reduce slipperiness.

In garage settings, water may pool on the surface after rain and remain overnight. Take caution to prevent slips.



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CONCRESHIELD DETAILED APPLICATION GUIDE



New Concrete:

Curing Time: Allow new concrete to cure for at least 28 days before coating.

Broom Finish Concrete: Pressure clean thoroughly at 3000+ psi if free of laitance.

Smooth Finish Concrete: Grind or acid etch (and neutralise) to create a porous surface for better adhesion.

Concrete with Laitance: Grind and pressure clean to remove the weak surface layer before coating.

Old Concrete:

Smooth Concrete (Garages/Warehouses): Must be surface ground or acid etched (and neutralised) to improve adhesion.

Broom Finish Concrete (Driveways/Patios/Paths): Requires only thorough pressure cleaning to remove contaminants.

Previously Coated Concrete (Broom, Stamped, or Stencilled): No acid etching needed. Pressure cleaning and degreasing are sufficient.

Drying Time: Ensure concrete is fully dry before coating. Use a moisture meter or perform a plastic sheet test to check for moisture. If condensation forms under the plastic, allow more drying time.

Coating:

Stir thoroughly and check colour before application. Apply with a roller (12-20mm nap), paint brush, or solvent broom depending on surface texture. Disposable rollers should be discarded after each coat, or use a lamb's wool cover if cleaning and reusing.

First Coat:

Thin 20-30% with Xylene Thinners for smooth concrete or exposed aggregate to improve penetration. No thinning required for other concrete surfaces.

Application:

- Pour into a roller tray and apply with a roller or broom.
- Avoid thick application or pooling to prevent bubbling.
- Prevent roller lines by avoiding excess sealer buildup on roller edges.

Ventilation: Ensure adequate ventilation when working indoors or wear a type A respirator mask.

Drying Time: Allow 2 hours before recoating. Recoating can be delayed up to 3 days, but additional cleaning may be needed.

Second Coat:

Do not thin the second coat.

Application:

- Pour into a roller tray and apply evenly in the opposite direction of the first coat using a roller or broom.
- Avoid thick application or pooling to prevent bubbling.
- Prevent roller lines by avoiding excess sealer buildup on roller edges.

Drying Time: Allow 24 hours before foot traffic and 5 days before vehicle traffic.

Anti-slip:

Shieldcoat's anti-slip wax beads provide a P4 slip rating when mixed into Concreshield. To use, stir the wax beads directly into the pail of Concreshield before applying the final coat. The mixture will slightly thicken upon the addition of the beads, but the product can be applied as usual.

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COVERAGE: 5-7sqm/Lt
FURNITURE: 3-5 Days
VEHICLE TRAFFIC: 7-10 days
FOOT TRAFFIC: 24 hours
RECOAT: Min 2 Hours
SHELF LIFE: 3 Years
CLEAN UP: Xylene Thinners

DISCLAIMER: Shieldcoat emphasizes that it is the responsibility of the applicator to assess and confirm the product's suitability for its intended use before application. The information and recommendations provided in this document were accurate and valid at the time of writing.



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