



Premium Roof and Concrete Coatings

TECHNICAL DATA SHEET

STEP SAFE

DESCRIPTION: STEP SAFE is a water based, anti-slip tough hard wearing coating for most interior and exterior surfaces including areas with light vehicle traffic. It is easy to apply, self-priming on bare concrete and can be tinted to many colours.

RECOMMENDED USE: As an attractive decorative anti-slip coating.

APPLICATION PROCESS: Surface must be clean, sound and dry before proceeding! Shieldcoat recommended surface preparation is crucial and is the responsibility of the Builder/-Contractor/Applicator. Weather conditions must be considered and deemed suitable before proceeding. High humidity will affect drying and recoat times.

CONCRETE SURFACES

Ensure new concrete has 28 days curing prior to coating. Ensure moisture content is less than 6% at time of application. Ensure surface is not subject to hydrostatic pressure.

REPAIR: All cracks and imperfections with SHIELD COAT SLAB REPAIR as per instructions (see Slab Repair data sheet). **Optional:** Grinding to ensure an even paintable surface is always the preferred preparation. **CLEAN:** Apply MOULDSHIELD 'C' as per instructions. **Optional:** If deemed necessary, etch surface as follows: Using either a portable pump type sprayer or watering can with shower rose make up an acid etching solution of 1 part of Hydrochloric Acid to 4 parts of water by volume. **CAUTION: ALWAYS ADD ACID TO WATER, NOT WATER TO ACID.** Spread made up solution generously over the concrete at a rate of approximately 2-3m² per litre. A bubbling/foaming action should start immediately. With a stiff bristled broom move the solution around and into the concrete. 5. Leave the solution stay in contact with the concrete floor for approximately 15 minutes. 6. After expiry of the 15 minutes rinse acid solution off thoroughly with a liberal amount of water using either a hose with a pressure nozzle or a high-pressure water blaster so as to thoroughly remove any acid solution from the pores of the concrete. Note: Ensure that water discharges in compliance with local regulations. Inspect concrete surface to ensure that all areas are etched properly. Any areas not etched properly should be treated again. **NEUTRALISE:** acid etched area to balance the pH with a solution of 1 part Soda Bicarbonate to 20 parts water. Apply liberally to the surface and allow a minimum of 20 minutes contact. **PRESSURE WASH:** The surface must be thoroughly cleaned using a high-pressure cleaner at a minimum 1800psi. Allow concrete surface at least 24 hours to dry thoroughly.

FINISH COATS: Apply two coats of SHIELD COAT STEP SAFE as per instructions below.



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TIMBER SURFACES

New Timber: Ensure the surface to be coated is thoroughly dry and free from dirt, dust, grease and wax. Fill all nail holes and small cracks with a suitable filler as per instructions, sand smooth.

Previously Coated in Good Condition: Clean the surface and thoroughly sand with 120 grade sandpaper then dust off.

Surfaces Previously in Poor Condition: If the badly worn or peeling the coating must be completely removed by paint stripper and /or sanding and scraping. Treat stripped timber as new timber.

PRIME: Apply one coat of a suitable timber primer.

FINISH COATS: Apply two coats of SHIELD COAT STEP SAFE as per instructions below.

TYPICAL PROPERTIES:

Colours: Large colour range

Finish: Matt / Texture

Sizes: 15lts

Volume solids: 74% average**

Theoretical spreading rate: 3m² / Ltr

Application surface temperature: 10°C to 40°C

Touch Dry: 2 Hour*

Recoat: 4 hours *

Foot Traffic: 12 Hours

Vehicle Traffic: 5 Days

Full Cure: 10-14 days*

Shelf life: 24 Month

*All figures are quoted at 25° Celsius and 50% Relative Humidity.

APPLICATION DETAILS / GUIDE

Application method: Brush/Roller

Thinner: Not recommended (use Shieldcoat Hot Weather Additive sparingly)

Clean up: Water

Indicated film thickness, wet: 330 microns (WFT)

Indicated film thickness, dry: 245 microns (DFT)

Coats Required: 2 (Minimum)



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HEALTH AND SAFETY

Contact Poisons Information Center on Phone: 13 11 26 or a doctor.

Ingestion: Do not induce vomiting. Give water to drink. Seek medical assistance.

Eye Contact: Flush eyes using eye baths until irritation subsides. Seek medical assistance.

Inhalation: Remove to fresh air. Seek medical assistance

Skin Contact: Wash thoroughly with soap and water. Launder clothing before reuse. Seek medical assistance if irritations persist.

Medical attention: Treat symptomatically.

First Aid Facilities: Eye Baths, safety showers.

RECOMMENDATIONS AND PRECAUTIONS

FINISH COATS:

Coated surfaces could be slippery! Shieldcoat recommends adding Anti-slip wax beads as per instructions.

Ensure that appropriate workplace health and safety methods and PPE are used when working with this product.

Ensure adequate ventilation when using this product.

Ensure that this product is applied in full accordance with Shieldcoat recommendations.

Care and Maintenance: Protect the coating from abrasive contact for 5 days. Wash down periodically with a mild detergent solution to refresh and preserve the coating.

MSDS: Available on request or download from the Shieldcoat website. www.shieldcoat.com.au

DISCLAIMER: Shieldcoat advises that the applicator of this product is responsible to determine and verify its suitability for the intended use prior to application. The data and recommendations contained within this document were true and accurate at the time of writing.