



Premium Roof and Concrete Coatings

## TECHNICAL DATA SHEET

# STENCILSHIELD PRIMER PLUS

**DESCRIPTION:** STENCILSHIELD PRIMER PLUS is a clear, acrylic primer designed to penetrate deeply into concrete surfaces, in preparation for STENCILSHIELD and FLOORSHIELD top coats.

**RECOMMENDED USE:** in preparation of concrete surfaces to be finished with STENCILSHIELD and FLOORSHIELD systems.

**APPLICATION PROCESS:** 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 SHIELDCOAT 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 2-3m<sup>2</sup> 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 3000psi. Allow concrete surface at least 24 hours to dry thoroughly.



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### TYPICAL PROPERTIES:

Colour: Milky liquid

Finish: Dries clear

Size: 15Lt

Volume solids: 25%

Theoretical spreading rate: 7-10m<sup>2</sup>/Lt

Application surface temperature: 10°C to 40°C

Touch Dry: 15-30 minutes\*

Recoat: 1-2 hours\*

Full Cure: 7-10 days\*

Shelf life: 24 Months

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

### APPLICATION DETAILS / GUIDE

Application method: Roller / Brush / Airless Spray

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

Airless Tip Size: 517

Clean up: Water

Coats Required: 1 (Minimum)

### 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.



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### RECOMMENDATIONS AND PRECAUTIONS

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

Ensure adequate ventilation when using this product.

When drinking water collection systems are in place, Shieldcoat recommends disconnecting the system prior commencing work, then allowing 10 days curing and a thorough fresh water rinse (rain or garden hose pressure) before reconnecting the system.

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

**MSDS:** Available on request

**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.