

SHIELDCOAT TECHNICAL DATA SHEET

STEP SAFE HEAVY DUTY



DESCRIPTION

Step Safe Heavy Duty is a flexible, pre-mixed, anti-slip solution for concrete areas such as driveways, footpaths, pool surrounds, and patios. Suitable for both commercial and residential use, it can be applied to concrete that is at least 28 days old. Formulated with premium acrylic resin, it's crack-resistant, fade-proof, and features a P5 anti-slip rating. Additionally, it contains anti-mould additives to help maintain fresh-looking surfaces for longer.

Can be tinted to almost any color
Available 2.6 Gallon pails



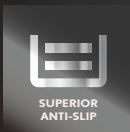
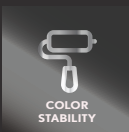
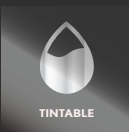
APPLICATION GUIDE

**** PLEASE REFER TO DETAILED APPLICATION GUIDE FOR MORE INFORMATION ****

Warranty: This product comes with a 7-year manufacturing warranty, which covers defects including flaking, peeling, and cracking under normal use and conditions.

Maintenance: To maintain the product's aesthetic appeal and ensure its continued performance, it is recommended to carry out a soft wash periodically. Additionally, applying a clear coat using Concreshield Clear every 4 years will help preserve the surface's appearance and extend its lifespan.

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COVERAGE: 376 sqft per pail

FOOT TRAFFIC: Overnight

VEHICLE TRAFFIC: 10 Days

TOUCH DRY: 30 Mins

RECOAT: 1-2 Hours

SHELF LIFE: 48 Months

CLEAN UP: Water



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STEP SAFE HD DETAILED APPLICATION GUIDE



APPLICATION GUIDE

****** Proper surface preparation, as recommended by Shieldcoat, is essential and remains the responsibility of the Builder, Contractor, or Applicator. It is crucial to assess and ensure that weather conditions are appropriate before proceeding with application. Elevated humidity levels may impact drying and recoat times, and should be carefully considered. New concrete must be allowed to cure for a minimum of 28 days before application. The moisture content should be below 6% at the time of application. Additionally, ensure the surface is not exposed to hydrostatic pressure. ******

Concrete Surface Preparation:

Repair: Use Shieldcoats Slab Repair to address cracks and imperfections. Grinding the surface is optional but recommended for a smoother, paintable finish.

Clean: If necessary, etch the surface by mixing 1 part Hydrochloric Acid with 4 parts water.

Apply this solution at 215-322 sqft per pail and use a stiff bristled broom to work it into the concrete. Let it sit for 15 minutes before thoroughly rinsing with water to remove any acid residue. Ensure the water discharge complies with local regulations. Inspect the surface for proper etching, and repeat if needed.

Neutralize: After etching, neutralize the acid with a solution of 1 part Soda Bicarbonate to 20 parts water, allowing it to sit for at least 20 minutes.

Pressure Wash: Clean the surface with a high-pressure cleaner (minimum 3000 psi) and allow it to dry for at least 24 hours before proceeding.

Prime: If the surface is powdery, a bonding/densifying agent may be needed. Otherwise, apply a generous coat of Step Safe WB Primer.

Coating: Apply two coats of Step Safe Heavy Duty using a hopper gun, following the instructions provided.

Optional: For added effect, spray contrasting colour flecks on top before removing the pattern using Step Safe Heavy Duty Fleck Coat.

Finish: Apply 1-2 coats of Step Safe WB Sealer by spray application as the final protective topcoat.

Application Details/Guide:

Application Method: Use a hopper gun at 20-25 psi for blanket spray and 3-5 psi for fleck coat.

Thinner: Add water sparingly on hot days; usually, no thinning is required.

Nozzle Size: Medium

Clean Up: Use water for cleaning.

WFT: 666 microns

DFT: 533 microns

Health and Safety:

Ingestion: Do not induce vomiting. Give water to drink and seek medical help.

Eye Contact: Flush eyes with eye baths until irritation subsides. Seek medical help.

Inhalation: Move to fresh air and seek medical help.

Skin Contact: Wash with soap and water. Launder clothing before reuse. Seek medical help if irritation persists.

Medical Attention: Treat symptoms as necessary.

First Aid Facilities: Eye baths, safety showers.

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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