



## Product Description

Shield™ is designed to repel and protect concrete and terrazzo floors from harmful spills that often lead to etching and permanent staining. When a spill occurs, Shield's protective properties prevents the floor from immediate damage and increases the window of opportunity for clean-up. Shield's complete repellency and protection extends the performance and appearance of concrete and terrazzo floors.

### BENEFITS

- Complete water and oil repellency
- Complete stain and etch protection
- Penetrating and topical sealer
- Strong floor adhesion; does not peel or flake
- Enhances floor sheen when burnished; cures without burnishing
- Enhances floor color including dyes and aggregate
- UV stable; may be used outdoors
- Easy, stress-free application; less applicator fatigue
- Can be re-applied anytime; does not require stripping
- Creates sacrificial layer between spill and floor
- Reduces expensive and time consuming stain repair
- Repaired areas visually blend with existing areas
- Ideal for all Ashford Formula™ and RetroPlate® treated floors - new or old, standard or colored - and all concrete and terrazzo floors



## Product Selection Guide

	Shield	Retro Guard	Retro Pel
Acid Protection	Medium	High	None
Oil & Water Repellency	Medium	Low	High
Dye Enhancement	High	High	None
Sheen Enhancement	Medium	High	Low
Penetrating Sealer	Yes	No	Yes
Topical Sealer	Yes	Yes	No
Ease of Installation	Easy	Medium	Easy
Ease of Repair	Easy	Medium	Medium
Coverage Rate	High	High	Medium

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## Technical Info

<b>Form:</b>	White liquid; dries clear
<b>Coverage:</b>	1,500-2,000 ft <sup>2</sup> /gal (37-50 m <sup>2</sup> /L)
<b>Packaging:</b>	1 gal (3.79 L) Jug 5 gal (19 L) Pail 55 gal (208 L) Drum
<b>Storage Life:</b>	One year in factory sealed container
<b>Freezing:</b>	Protect from freezing
<b>Odor:</b>	Low odor
<b>VOC:</b>	VOC content 30.6 g/L. Complies with all known national, state and district AIM VOC regulations. Maximum VOC content 100 g/L.



## Application

Read all instructions and SDS information before use. Use appropriate safety equipment. Always test floor surface for suitability and desired results before overall application. Evaluate vapor transmission, or other potential concerns. Let surface dry thoroughly before inspection and approval.

### PREPARATION

Protect people, vehicles, property, plants and all surfaces not meant for treatment from product, residue, splash, fumes and wind drift. Use polyethylene or other proven protective materials. Ensure fresh air entry and cross ventilation during application and drying. Extinguish all flames, pilot lights and other potential sources of ignition during use and until all vapors are gone. Remove any dirt, oil, grease, paint, waxes, efflorescence and surface sealers before application. For best results, clean the floor with CreteClean Plus with Scar Guard™ using an auto scrubber with blue or black pads, or a mop and bucket. Shield can be applied 28 days after placement of the concrete.

**Surface & Air Temperature:** Temperature should be between 40-80°F (10-26°C). Shield applies, dries and cures more evenly on a cool floor. Avoid applying in direct sunlight. Use only in well ventilated areas.

**Equipment:** Pump-up sprayer with adjustable conical tip (approximately 0.5 gpm), paint strainer, microfiber pad, propane burnisher and soft natural hair burnishing pad (optional) and appropriate safety equipment.

**Coverage:** On densified and densified-polished surfaces: approximately 1,500-2,000 ft<sup>2</sup>/gal (37-50 m<sup>2</sup>/L). Coverage rates vary with concrete porosity and level of polish. Suitability of the product for the floor in question must be determined by the applicator.

## STANDARD APPLICATION PROCEDURE

**Stir or mix well. Do not shake as shaking produces foam.** Shield is shipped ready to use.\* Clean the floor with CreteClean Plus with Scar Guard using an auto scrubber with blue or black pads, or a mop and bucket. Application can begin once the floor is damp to the touch or completely dry.

*\*In temperatures above 80°F (26°C) and in windy or low-humidity conditions, it may be helpful to dilute Shield with water (up to 50%) to prevent flash drying.*

Fill the pump-up sprayer with Shield using a paint strainer to prevent particles that could clog the spray nozzle. Spray/Dampen the microfiber pad with Shield so it can more easily move the product across the floor. Ensure that the microfiber pad is not too saturated or dry.

Apply Shield using a pump-up sprayer, covering a wide area 4-5 feet deep. Start at one edge of the floor and work backwards, or away from wet product. Make sure to work in small enough sections to prevent walking on wet product. This will cause shoes to become tacky leaving footprint ghosting once dry. Spread Shield evenly with a damp microfiber pad using a figure-eight motion to work the product into the floor. Use overlapping passes, maintaining a wet edge for uniform appearance. If during application the microfiber pad begins to drag or become tacky, rinse the pad with water and wring out. Continue using the same pad.

Following application, allow Shield to dry for approximately 50-60 minutes. Burnish with a high-speed propane burnisher at 3/4 speed (approximately 1500 RPM) using a soft, natural hair pad. Burnishing is not required to cure the product, however, it does enhance the floor's sheen.

After application, rinse and flush all equipment with clean water. Floors with Shield can receive traffic within 12 hours under typical interior conditions. Protect from water or other liquids for at least 24 hours.

## REFRESH APPLICATION

If, due to wear, the floor requires a refresh, additional Shield can be re-applied over an existing application. Simply clean the floor with CreteClean Plus with Scar Guard and follow the standard application and burnishing instructions.

## RE-APPLICATION AFTER ETCHING, DEEP STAINING

For all concrete and terrazzo floors, use 200-grit and 400-grit diamond Vespa pads to hone the floor and remove the etch/stain. Reapply Shield following the *Standard Application Procedure*.

*Note: Re-application of topical dyes and densifier may be necessary. Contact Curecrete for technical questions and assistance.*

## MAINTENANCE

Do not use acidic detergents, or detergents containing sulfates or hydroxides. Use CreteClean Plus with Scar Guard detergent in scrubbers or mop buckets for best results. Keep floor clean, removing dirt and debris. Clean up spills quickly.



## Warranty, Technical Assistance, SDS & FAQs

### WARRANTY

Manufacturer warrants this product to be free from defects. Where permitted by law, no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to perform his own tests to determine the suitability of this product for his particular purpose. Liability shall be limited in all events to the supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves supplier from any liability, from whatever source, including liability for incidental, consequential or resultant damages, whether due to breach of warranty, negligence or extended by representatives of Shield, its distributors, applicators or dealers.

### TECHNICAL SERVICES & EMERGENCY CONTACT

Contact Curecrete at (801) 489-5663 or toll free at (800) 998-5664. **For emergency information, call (801) 629-0667.**

### SDS

For SDS information, please [click here](#) or scan the code provided.



### FAQs

For Frequently Asked Questions, please [click here](#) or scan the code provided.



### SUPPORTING PRODUCTS

Contact Curecrete for more information on supporting products:

- Ashford Formula™
- CreteClean Plus with Scar Guard™
- CreteClean Plus with Scar Guard - Single Dose™
- CreteFill Pro Series™ Joint Fillers and Repair Products
- CreteStrip™
- Diamonds & Dyes
- KickStart™
- RetroGuard™
- RetroPel™
- RetroPlate™