



A lifetime Certi-Shine floor. **It's concrete redefined.**

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CERTI-SHINE CLEAR

PERMANENT SHINE FOR POLISHED CONCRETE

VOC Content: 0 gr./liter

DESCRIPTION

CERTI-SHINE CLEAR enhances the natural beauty of polished concrete and produces a wear-pattern free, shine retentive, decorative polished concrete floor.

Certi-Shine Clear is a potassium silicate that rapidly penetrates without scrubbing and rinsing. Simply apply, re-distribute and re-apply until the concrete no longer absorbs and is fully densified.

Once absorbed, Certi-Shine Clear reacts with the free lime and calcium hydroxide, producing a permanent chemical reaction that hardens, densifies and tightens the concrete surface.

A fully densified polished concrete floor is the foundation for a stain-free floor. By adding both Certi-Shine Fixative and Certi-Shine Finish Coat Ultra, polished concrete will then resist motor oil, food acids and oils along with a variety of other typical hazards for polished concrete.

All three Certi-Shine products; Certi-Shine Clear, Certi-Shine Fixative and Certi-Shine Finish Coat Ultra, must be used when installing a **Certi-Shine Clear FSR** or **Certi-Shine MicroStain FSR** floor.

CERTI-SHINE CLEAR HB

Use Certi-Shine Clear HB when densifying and polishing soft or very porous concrete. This material is a high solids product that allows the pores to be plugged in one or two coats. After the Certi-Shine Clear HB has plugged up the concrete, apply the Certi-Shine Clear until the floor is fully densified to rejection.

BENEFITS

- Permanently protected and sealed
- No scrubbing or rinsing required
- Eliminates or reduces waste stream during installation
- Odorless, non-hazardous, USDA approved
- Meets LEED point standards for green building
- Abrasion, wear resistant
- No topical film to wear through
- 20 year warranty
- Based on StarSeal PS proven technology
- Low maintenance, no waxing or re-surfacing required

SURFACE PREPARATION

Grind open the concrete and bring up to a scratch-free honed surface. Clean and allow to dry. The concrete is ready for Certi-Shine Clear to be applied

APPLICATION INSTRUCTIONS

Net Coverage Rate: 200-300 sq. ft./gallon. This will depend on the porosity of the concrete. The goal is to densify the concrete to rejection.

1. Apply an even coat of Certi-Shine Clear with a low pressure (20-50 PSI) pump-up sprayer, Evenflow Applicator or microfiber pad and tray at a coverage rate of 400 sq. ft./gallon for the first coat.
2. Allow the product to penetrate.
3. Make sure that the entire surface is wet for a period of 45 minutes to an hour.
This is accomplished in two ways:
 - (a) Redistributing product by pulling or pushing from wet areas onto dry areas
 - (b) Spraying more product (second coat) onto the surface
4. During this application time, if an area becomes thick or slick, add water and agitate until the product goes back into solution and the product concentrate is no longer slick.
5. After 45 minutes to an hour, if all the Certi-Shine Clear looks like it will soak in, continue to redistribute. If instead, the surface is still more than 50% wet, rinse and scrub the concrete with clean water and vacuum up all liquid.
6. Let the fully densified concrete dry overnight. Make sure there are no puddles or squeegee ridges; these should all be spread out evenly to dry.
7. High speed propane burnish with a black pad the next day. This process should be a very slow walk, producing friction and heat.
8. Continue Diamond Polishing if required.

PRIMARY APPLICATION AREAS

CERTI-SHINE CLEAR System:

Product: Certi-Shine Clear.

Interior and exterior concrete surfaces such as warehouse and industrial floors, parking structures, driveways, entrances walkways, and stadiums where there is no exposure to food. Can be applied over neutralized acid stains, acetone based dyes, water based stains or integrally colored or shake on hardened concrete.

CERTI-SHINE FSR System:

Products: Certi-Shine Clear, Certi-Shine Fixative and Certi-Shine Finish Coat Ultra

Concrete applications such as restaurants, shopping malls, kitchens, food courts, schools, pool decks, stadiums, counter tops, food markets and food handling areas. Can be applied over neutralized acid stains, acetone based dyes, water based stains or integrally colored or shake on hardened concrete.

WARRANTY SUMMARY

For a period of Twenty (20) years commencing from the date on which the concrete surface described herein is treated with Certi Shine Clear. For a full explanation of our warranty consult warranty # W146.

SPECIFICATIONS/COMPLIANCE

Certi-Shine Clear treated concrete is performance validated with the following standards:

- LEED NC category/points: For detailed information visit vexcon.com/green
- Balance Beam Mar Tester ASTM D5178: Greater than 50% harder
- ASTM D2486 Abrasive Scrub: 1200 Cycles
- Modified Tabor Abrasion 600 Revolutions: 0.37% treated vs 0.68% untreated
- ASTM G-53 5000 HR Q.U.V: No fade, change or erosion
- Bonding ASTM 4541: Greater than 50 psi
- Absorbability ASTM C642: Reduction of 75% of Control
- Solids ASTM 2369: 18% Min.
- Case Consulting Laboratories: Coefficient of Friction Determinations ASTM 2047:
Certi-Shine Clear – average – 0.54
Certi-Shine Finish Coat – average – 0.63
- CSI Reference: 03 35 00, 03 36 00

SYSTEM INSTALLATION:

Certi-Shine Clear, Certi-Shine Clear FSR and Certi-Shine MicroStain FSR

For complete installation instructions, refer to Certi-Shine Application Instruction Sheets.

SPECIAL NOTES/LIMITATIONS

- For use by Professional Certified Applicators only
- Do not apply to metal, glass or painted surfaces
- Not for use at temperatures below 40° F (4° C)
- Keep from freezing
- Do not dilute except as directed
- Cannot hide surface blemishes or cover construction error
- Not recommended for epoxy terrazzo
- Not recommended for stamped concrete
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.

MAINTENANCE

Spills should be removed promptly and cleaned with **StarSeal EF Degreaser and Cleaner** (Data Sheet # OP 138) or a high quality commercial detergent. Floors should be cleaned as needed. For more details, see TN 40 Certi-Shine Maintenance.

PACKAGING

Certi-Shine Clear is available in 55-gallon drums and 5-gallon pails. Contact Vexcon to discuss your customized packaging requirements

CHEMICAL RESISTANCE CHART

Certi-Shine Clear & MicroStain

Tested by ASTM D 1308, "Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes" for 1 hour. After 24 hours on existing concrete, and 28 days on fresh concrete, surfaces treated with Certi-Shine Finish Coat Ultra provide the following resistances

<u>CHEMICAL</u>	<u>RESULTS</u> <u>CERTI-SHINE</u> <u>Clear</u> <u>NO FSR</u>	<u>RESULTS</u> <u>FSR TREATMENT</u> <u>Clear &</u> <u>MicroStain</u>
Aluminum Chloride	S	NE
Ammonium Chloride	S	NE
Anti Freeze	NE	NE
Aviation Gasolines	SS	NE
Battery Acid 30% Sulfuric Acid	SS	M
Brake Fluid	SS	NE
Carbonic Acid 85%	NE	NE
Chromic Acid 10%	NE	NE
Cooking Oil	SS	NE
Ethyl Alcohol (Beer)	SS	NE
Gasoline	NE	NE
Grease	SS	NE
HCL (10%)	SS	NE
Iodine	SS	NE
Isopropyl Alcohol	NE	NE
Jet Fuel	SS	NE
Ketchup	S	NE
Lemon Juice – Citric Acid	SS	NE
Milk	S	NE
Motor Oil	SS	NE
Mustard	NE	NE
NAOH (10%)	NE	NE
Orange Juice – Citric Acid	SS	NE
Phosphoric Acid 85%	SS	NE
Potassium Dichromate	S	NE
Red Wine	S	NE
Salt Spray Resistance	SS	500 hr
Sodium Sulfate	NE	NE
Sodium Sulfite	NE	NE
Tannic Acid	S	NE
Transmission Fluid	SS	NE
Urine	S	NE
Vinegar Acetic Acid (10%)	S	NE
Zinc Sulfate	S	NE

* S = Stain
* NE = No effect

* SS = Slight stain
* M = Minimal

The resistance is based upon proper application to saturation of Certi-Shine Clear & MicroStain treated concrete. Results can differ where applications are compromised.

HEALTH AND SAFETY

Vexcon MSDS # OP200 is an integral part of the safety and application of our product. Before using this Vexcon product obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

VITAL STATISTICS

• Boiling Point(760 mm Hg): 212° F(100° C)	<u>CLEAR</u>	<u>HB</u>
• Flash Point:	NA	NA
• Autoignition Temp:	NA	NA
• Pounds/gal	9.38	10.68
• VOC:	Zero	Zero

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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