



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

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CERTI-SHINE® MicroStain

COLORED HARDNER • DUST PROOFING • WATER REPELLENT

DESCRIPTION

Turn new or old plain gray concrete floors into colored decorative, lifetime, high performance floors. A concrete floor properly installed with Certi-Shine MicroStain produces deep and permanent colored concrete. The Certi-Shine MicroStain system is a special solution of active silicates, with penetrating and wetting agents, which form a chemical and wear resistant, hardened, dustproof and water repellent color stained polished concrete floor.

Certi-Shine MicroStains are processed with the most efficient milling equipment to reduce the pigment particle size to the lowest obtainable micro sizes. The micro particle has more efficient penetration into the pores of the concrete, and uniform color development.

Within 14 days on fresh concrete, and within 8 hours on existing concrete a Certi-Shine MicroStain polished floor will achieve resistance to a wide variety of industrial chemicals, rubber marks, oils, gasoline, and food stains (such as vinegar, lemon juice, milk, and citric acids) without the need for a topical coating. Also, Certi-Shine Micro stained floors can be warranted for up to 10 years.

Many custom decorative effects can be created with Certi-Shine MicroStain by incorporating techniques such as mottling, ragging or sponging. The use of spot color will create amazing design possibilities. Stenciling and patterns can be achieved as well. The level of shine (silver, gold or platinum) from polishing will bring out or complete the final desired look.

Certi-Shine MicroStain is available in 20 standard colors, see the Certi-Shine brochure, or it may be custom colored.

A Certi-Shine floor has no need for topical coatings. Coatings will wear and need to be recoated over time. Floors properly installed with Certi-Shine MicroStain will remain water repellent, dustproof, hardened, abrasion and food stain resistant for years to come.

MATERIAL WARRANTY

For a period of Ten (10) years commencing the date on which the concrete surface described herein is treated with Certi-Shine MicroStain. For a full explanation of our warranty, consult warranty # W146A.

BENEFITS

- Abrasion resistant, produce hard wear surface
- Color penetrates and is permanently locked into the surface
- Does not require sealers or other top coating materials which can peel, wear and weather off
- Low maintenance, no waxing or resurfacing is required
- Quick installation, no scrubbing in
- Non hazardous
- Odorless
- 20 standard and custom colors
- Apply to green concrete or existing concrete
- Performance warranty
- Chemical and food acid resistant
- Non-Staining
- Diamond polish for a high gloss look without loss of color
- Quick and deep penetration
- Will not whiten
- VOC compliant
- USDA approved

PRIMARY APPLICATION AREAS

Products: Certi-Shine MicroStain, 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 market and handling areas.

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.

PERFORMANCE DATA

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

- LEED NC category/points
Certi-Shine concrete floors can potentially contribute 14 or more LEED points. For more information visit vexcon.com/green.
- Abrasion Taber resistance test
- Permeability CRD C-48
- Hardening ASTM C-42/ASTM C-805
- Weathering ASTM G-23
- Bonding ASTM D-3559
- Case Consulting Laboratories: Coefficient of Friction Determinations ASTM 2047
Certi-Shine Clear – average – 0.54
Certi-Shine Finish Coat Ultra – average – 0.63

CHEMICAL RESISTANCE CHART

Certi-Shine Clear and 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 MicroStain provide the following resistances.

<u>CHEMICAL</u>	<u>RESULTS</u>	<u>RESULTS</u>
	<u>CERTI-SHINE</u>	<u>FSR TREATMENTS</u>
	<u>Clear</u>	<u>Clear &</u>
	<u>NO FSR</u>	<u>MicroStain</u>
Aluminum Chloride	S	NE
Ammonium Chloride	S	NE
Anti Freeze	NE	NE
Aviation Gasoline's	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.

INSTALLATION

For complete installation instructions, refer to Certi-Shine application instructions.

SPECIAL NOTES/LIMITATIONS

- Keep from freezing
- Not for use at temperatures below 40° F (4° C)
- Do not dilute except as directed
- Do not apply to metal, glass or painted surfaces
- For use by Certified Certi-Shine applicators
- Not recommended for epoxy terrazzo
- Cannot hide surface blemishes or cover construction errors
- Do not use membrane-curing compound over Certi-Shine MicroStain
- Shelf Life: If properly stored in its original sealed container, one year. Rotate your stock.
- Not recommended for stamped concrete

VITAL STATISTICS

- Boiling Point(760 mm Hg): 212° F(100° C)
- Flash Point: NA
- Autoignition Temp: ND
- Pounds/gal: 9.38
- VOC: Zero

PACKAGING

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

HEALTH AND SAFETY

Vexcon MSDS OP205 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.

CONTACT US @

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

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