



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

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vexcon.com

CERTI-SHINE CLEAR

Hardening • Dust Proofing • Water Repellent

VOC Content: 0 gr./liter

DESCRIPTION

Certi-Shine Clear is the foundation for the Certi-Shine System of Polished Concrete. This product is based on job proven StarSeal PS Technology. Certi-Shine Clear rapidly penetrates hardens and densifies concrete and provides a hard surface for quick polishing. Certi-Shine brings out the natural beauty and increases the performance of new or old concrete floors. Certi-Shine Clear is a special water white solution of active silicates with penetrating and wetting agents which forms a chemical and wear resistant, dust free and water repellent concrete floor. Certi-Shine Clear contains no volatile organic compounds, (VOC's). When applied to fresh concrete, prior to covering with curing blankets or existing concrete, Certi-Shine Clear reacts with the free lime and calcium to chemically harden the surface and produce crystalline growth to make the concrete water repellent. Increased chemical and food acid resistance is achieved with the introduction of **Certi-Shine Finish Coat** and **Certi-Shine Fixative** into the system yielding the **Certi-Shine Clear FSR System**. Certi-Shine Clear FSR treated concrete will achieve resistance to a wide variety of industrial and food chemicals, oil, gasoline, and rubber marking within 14 days on fresh concrete and within 24 hours on existing concrete. Polish the floor as directed after application revealing a concrete surface with a hard, glossy finish without the need for a topical coating that will wear through and need to be recoated. Reference individual product data sheets for detailed description of these products.

CERTI-SHINE CLEAR HB

This material is specifically designed with high solids to penetrate quickly into the pores of very porous or soft concrete. Apply as directed for existing concrete. Certi-Shine HB will fill the pores quickly, usually in one or two coats. Final application should always be done with Certi-Shine Clear.

TOPCOATS AND ADHESIVES

Certi-Shine Clear allows for bonding of many finishes. Concrete must cure a minimum of 28 days prior to applying paints or adhesives recommended by their manufacturer for compatibility and adhesion. We recommend the use of a test patch.

BENEFITS

- Abrasion resistant • produce hard wear surfaces
- Does not require sealers or other top coating materials which can peel or wear and weather off
- Low maintenance, no waxing or resurfacing is required
- Quick installation, no scrubbing in
- Non Hazardous
- Odorless
- Apply over Acid Stains and Integrally colored concrete
- Certi-Shine Clear will lighten and harden the desired mottled appearance of acid stained and integrally colored concrete
- Apply to green concrete with supplemental curing only
- Performance Warranty – 20 years
- Chemical and food acid resistant • Non-Staining – FSR System
- Quick and deep penetration
- Will not whiten
- VOC compliant
- USDA approved

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 and walkways, and stadiums where there is no exposure to food. Can be applied over neutralized acid 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

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 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.

PERFORMANCE DATA

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

- LEEDS
- 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 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

After 24 hours on existing concrete, and 28 days on fresh concrete, surfaces treated with CERTI-SHINE CLEAR provide the following resistances:

| <u>CHEMICAL</u> | <u>RESULTS – CLEAR</u> | <u>RESULTS – FSR</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 & Stain FSR treated concrete. Results can differ where applications are compromised.

INSTALLATION

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

PACKAGING

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

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 Professional Certified Applicators
- Not recommended for epoxy terrazzo
- Cannot hide surface blemishes or cover construction error
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- Keep from freezing
- Not recommended for stamped concrete

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 |

MAINTENANCE

Floors prepared with the Certi-Shine System require little maintenance. General housekeeping is recommended to keep floors clean and looking new. If cleaning is required, spills should be cleaned when they occur. Dirt may be hosed off with water. Heavily soiled areas may be cleaned by mop or by scrubbing with a floor machine equipped with a soft scrubbing brush and a high quality commercial floor cleaning detergent. Rinse and allow to dry. If a floor wax is desired, although not required, follow the instructions above and after floor has been cleaned and is dry. Wax floor with a commercial paste wax, buff to desired shine. Strip with a neutral wax stripper and reapply paste wax semi annually or as required.

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.

CONTACT US @

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

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WARRANTY

Vexcon warrants that the goods supplied hereunder shall be of its standard quality and shall conform in all material respects to the sample which has been made available for testing by buyer prior to sale. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OR NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL VEXCON BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE, REAL OR PERSONAL, ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, REAPPLICATION, DOWN TIMES, CLEANUP, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE OR FOR ANY LOSS OF PROFITS OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.