



# REFLECTIVE FLOOR®

ARCHITECTURAL POLISHED CONCRETE SYSTEMS

## REFLECTISHIELD® CONCRETE DENSIFIER

**ReflectiSHIELD®** Densifier can be used as a stand-alone treatment or as part of the Reflective Floor® Concrete Polishing System. ReflectiSHIELD is a blended formulation of non-film forming materials that have the properties of being a hardener, sealer, and dust proofer. Its penetrating components chemically react with the concrete matrix creating additional calcium silicate hydrate (CSH) structures within the pores, while also filling near surface voids. When ReflectiSHIELD® is being used as part of the Reflective Floor® Concrete Polishing System, its chemical reactivity scale highly increases due to the reactive colloidal silica properties, creating an abundance of additional reactive sites to cross-link and bond with.

**ReflectiSHIELD®** is an integral part of the process in creating a hard-solid mass of concrete that substantially increases the abrasion resistance, is dust-free, and forms a hydrophobic barrier that eliminates liquids &/or contaminants from penetrating the surface which further extends the service life and performance of the concrete floor.

### TECHNICAL INFORMATION

Appearance	Clear / White
pH	11.0
VOC Content	<90 g/L
Flash Point	Not Flammable
Freezing Point	32°F - 0°C
Shelf Life	18 Months, Unopened

### APPLICATION RATES

Stand-Alone/Dust Proof: 400 to 800 SF<sup>2</sup> / Gal. (9.8 to 19.6 m<sup>2</sup>/L)

Reflective Floor® System: 600 to 1,000 SF<sup>2</sup> /Gal. (14.7 to 24.5 m<sup>2</sup>/L)

Coverage rates and drying times will vary due to the wide variety of differences in concrete's quality, porosity, temperature, and relative humidity.

### STORAGE & HANDLING

Do not allow product to freeze. Store in a well ventilated, cool, dry location and maintain temperatures between 40° - 100°F (4° - 38°C). Do not alter or mix with other chemicals. Maintain unused product in the original container. Any container that cannot be saved for recovery or recycling should be triple rinsed and disposed of in accordance with local, state, and federal regulations.

### ADVANTAGES

- No Rinse Formulation
- Use on New or Existing Concrete
- Extends Service Life and Performance of Concrete Floors
- Significantly Increases Abrasion Resistance
- Dust-Proof/Free
- Increased Liquid/Contaminants & Stain Resistance
- Reduces Alkalinity Efflorescence
- VOC Compliant
- Does Not Contribute to ASR
- Formulated to Use on Tight or Porous Slabs
- Cross-Links with All ReflectiFLOOR® Products

### INDUSTRY COMPLIANCE

Compliant with the following National, State, and District for all US EPA AIM VOC Regulations:

- US Environmental Protection Agency (EPA)
- California Air Resources Board SCM Districts (CARB)
- South Coast Air Quality Management District (SCAQMD)
- Maricopa County, AZ
- Northeast Ozone Transport Commission
- Qualifies for LEED Credits
- National Floor Safety Institute
- OSHA & ADA Non-Slip Requirements





# REFLECTISHIELD®

## CONCRETE DENISIFER

### PRE-SURFACE TESTING

To assure the desired performance and appearance specifications are met, it is highly recommended to perform a mock-up on each slab being treated using the exact same floor products, coverage rates, tooling, process, methods, technique, equipment and certified Installer.

### SURFACE PREP

Surface must be clean and free of any material that would inhibit the penetration of ReflectiSHIELD®. This includes dust, dirt, contaminants, any surface coatings, curing or sealing compounds.

### APPLICATION DIRECTIONS

**STAND-ALONE / DUST PROOF:** Apply ReflectiSHIELD® at the coverage rates Stand-Alone/Dust Proof: 400 to 800 SF<sup>2</sup> /Gal. (9.8 to 19.6 m<sup>2</sup>/L) using a low-pressure sprayer or pour to saturated the surface. Then use a soft-bristled broom to spread it evenly on the entire surface. Apply enough product to keep the surface wet for a minimum of 30 minutes. Add additional product if any areas are drying out before the 30 minute penetration time or if low spots are noticed while drying, spread product out with a squeegee. Drying time may take longer than 30 minutes depending on porosity, temperature &/or relative humidity.

Allow ReflectiSHIELD® to completely absorb and dry into the surface.

**REFLECTIVE FLOOR® SYSTEM:** Apply ReflectiSHIELD® at the rates 600 to 1,000 SF<sup>2</sup> / Gal. (20 to 29 m<sup>2</sup>/L) using the same process as mentioned above.

Allow ReflectiSHIELD® to completely absorb and dry into the surface.

Continue wet polishing floor to desired specification.

### CLEAN UP // DISPOSAL

Use soap and water. Any product that cannot be saved or recycled should be triple rinsed and disposed of according to local, state, and federal regulations.

### MAINTENANCE

Routine cleaning with ReflectiCLEAN® Concrete Cleaner is recommended using a micro-fiber mop or auto scrubber equipped with soft pads. Do NOT use string mops. DO NOT USE cleaners that have butyl compounds or citrus, these acidic cleaners will damage the floor.

### SAFETY & FIRST AID

**WARNING:** Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. Harmful if inhaled. Keep out of reach of children. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.

**IF SWALLOWED:** Call a POISON CENTER or doctor or physician immediately. Rinse mouth. DO NOT INDUCE VOMITING. **SKIN:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. **EYES:** Flush with water immediately for 15 minutes. Remove contact lenses if present and easy to do, continue rinsing. **INHALED:** Move person to fresh air. If not breathing, give rescue breathing and contact medical attention/911. If breathing is difficult, give oxygen. If symptoms persist, consult medical advice.

Always read in full product SDS for additional precautionary instructions before use. Use appropriate Personal Protection Equipment (PPE) during application and handling.

**24 Hour Emergency Telephone: INFOTRAC**  
**(800) 535-5053 (US & Canada)**  
**(352) 323-3500 (International)**

### WARRANTY

Reflective Floor® solely and expressly warrants that for 12 months from the date of purchase of Reflective Floor® products shall be free from defects in materials and workmanship, but only to the extent that the product is properly installed only by Reflective Floor® Certified Installers in accordance with its product literature and in strict compliance with the installation information and instructions in the product literature and label(s).

It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer does not have control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing the proven defective Reflective Floor® product. The end user shall be responsible for determining product's suitability and assumes all risks and liability.



**CUSTOMER SERVICE: +1 856-REFLECT** (733-5328)



FOR MORE INFORMATION AND PRODUCT SPECIFICATIONS: Visit us at  
**www.ReflectiveFloor.com**

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