



REFLECTIVE FLOOR®

ARCHITECTURAL POLISHED CONCRETE SYSTEMS

REFLECTICUT® CUTTING & REFINING ENHANCER

COLLOIDAL SILICA TECHNOLOGY

ReflectiCUT® Concrete Cutting & Refining Enhancer has been uniquely designed as a ternary compound formulation utilizing highly reactive colloidal silica technologies and proprietary nano-abrasive compounds.

ReflectiCUT® creates a reactive silica nano-abrasive slurry comprised of abrasive particles that simulate a brushing motion which abrades away concrete stock while also creating a lubricating sliding effect, reducing the friction between the substrate and the tooling, therefore enhancing and maximizing the diamond's cutting capabilities, providing a faster, more efficient and consistent concrete removal. ReflectiCUT® minimizes the creation of deep scratches and surface defects that are typically left by aggressive abrasives, instead assists in removing those high points, creating a smoother, refined surface profile that is not achievable when using diamond tooling alone. Using ReflectiCUT® will increase productivity and efficiencies by reducing the number of grinding processes, resulting in a reduction of tooling, time, and labor. Furthermore, the reactive slurry also becomes an exact color matching, self-grouting compound that chemically bonds back to the surface, filling micro pinholes and surface crazing, making it ideal for substrates that are imperfect or damaged.

Get a JUMP START when using **ReflectiCUT!** It will begin creating a strong foundation by chemically reacting and cross-linking with the concrete's matrix creating new, permanently bonded CSH compounds and filling any open voids, thereby increasing its overall density and strength. ReflectiCUT® is environmentally friendly and contributes to environmental sustainability.

TECHNICAL INFORMATION

Appearance/Color/Odor	Liquid / White / None
pH	9.3 - 10.7
VOC Content	Not Determined
Flash Point	Non-Flammable
Freezing Point*	32°F (0°C)
Shelf Life*	18 Months, Unopened

APPLICATION RATES

400 to 600 SF / Gallon (9.8 - 14.7 m²/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 cool and dry location in original labeled container. Maintain ambient temperatures above 41°F (5°C) and below 95°F (35°C) Do not alter or mix with other chemicals.

*Colloidal silica is a freeze sensitive material. If allowed to freeze, the product will irreversibly agglomerate or gel. If the product has been frozen, it will most likely be rendered useless and must be disposed of. If exposed to high storage temperature for extended periods, the shelf life of the product may be shortened. To reduce temperature effects to colloidal silica products and maximize shelf life, it is recommended having a storage temperature of 68°F.

ADVANTAGES

- Silica Abrasive Technology
- Faster Surface Refinement
- Enhances Tooling Cutting Capabilities
- Maximizes Tooling Life
- Self-Grouting System with Exact Color Matching
- Fills Micro-Voids & Surface Crazing
- Increases Productivity & Efficiencies
- Reduces Labor Costs & Project Down Time
- Significantly Increases Sub-Surface Density & Hardness
- Environmentally Friendly
- Contributes to Environmental Sustainability

PACKAGING

5 Gallon/Pails // 55 Gallon/Drums // 275 Gallon/Totes



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SURFACE PREP

Ensure surface is free of all debris, any film forming and/or topical cures, sealers, wax, oils, or contaminants. Prepare the substrate by hydrating to Saturated Surface Dry (SSD) condition prior to ReflectiCUT's application in order to achieve its maximum results. *(The longer the substrate is wet prior to application, the deeper ReflectiCUT® will penetrate and disperse. Porosity, temperature, and humidity will influence how quickly the substrate remains saturated.)*

APPLICATION DIRECTIONS

Substrate and ambient conditions the substrate should be 40°F and rising, and not to exceed 95°F. For best and easier application results, use two people - one spraying and one spreading.

Apply ReflectiCUT® using a low-pressure sprayer with a conical mist or fan spray tip, moving in a circular motion to achieve even coverage and saturation. • Monitor absorption rates. • Broom material into the surface with a soft bristle broom or an auto scrubber with brushes, right behind the person spraying, for even dispersment. • Keep the entire surface wet for a minimum of 30 to 45 minutes if proper SSD was attained. *(If SSD is not an option, consider doubling the application rate to ensure even saturation.)* • If the floor is absorbing too quickly, lightly respray these areas; do not allow ReflectiCUT® to pool. Keep wet. • Allow a dwelling time of a minimum 30 minutes to overnight. *(Allowing longer dwell times will achieve deeper penetration and chemical reactivity to occur.)*

CUTTING: If ReflectiCUT® was applied the day before or has dried on the surface for several hours prior to first cut, rehydrate by adding enough water to the surface in front of the grinder's working path to create a slurry having the consistency of heavy shaving cream. *(If using an auto scrubber, set on the lowest water setting with squeegee up.)* • If slurry becomes too thin, *lightly* add more ReflectiCUT® or adjust water setting. If slurry becomes too thick, *lightly* add water. Careful not to add too much water, this will weaken the reactants.

DISPOSAL

Dispose of according to local, state, and federal regulations. Do not dump in storm drains or sewers. Containers are readily recyclable once thoroughly cleaned.

SAFETY & FIRST AID

Do not handle until all safety precautions have been read and understood. Always read in full product SDS for additional precautionary instructions before use. Use appropriate Personal Protection Equipment (PPE) during application and handling.



WARNING: Keep out of reach of children. Avoid inhalation of aerosol or mist. May be harmful if swallowed. Wash exposed skin thoroughly with soap and water. Wear protective gloves, and safety glasses with side shields.

IF SWALLOWED: Call a doctor if you feel unwell. Do NOT induce vomiting. **IF ON SKIN:** Wash with plenty of soap and water. **IF IN EYES:** Flush with water immediately holding eyelids open for 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing. If irritation persists get medical attention. **IF INHALED (Aerosol or Mist):** Remove person to fresh air and keep comfortable for breathing. If not breathing, give rescue breathing and contact medical attention / 911. If symptoms persist, consult medical advice.

Consult Safety Data Sheet for additional specific First Aid Treatment and details regarding the safe use of this product.

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

WARRANTY

Reflective Floor® products are intended for use by professionals only. It is the end user's responsibility to follow all directions of use. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no 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. *For complete Warranty Disclaimer, consult website.

REFLECTIVE FLOOR®
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FOR MORE PRODUCT INFO
Contact Us at (667) 701.1700
or VISIT ReflectiveFloor.com

