



# SUPERFLAT® CONCRETE ENHANCEMENT™

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## REMOVE™

Superior **refinement** for all textured concrete floor surfaces. Rapidly removes **surface irregularities** and **high spots**, quickly cutting through concrete in a single pass.

Can be used with ride-on power trowels and planetary grinders.

Designed to meet floor flatness specifications.

CONCRETE REFINER / IRREGULARITY REMOVAL

Nanotechnology. Non-corrosive. Non-hazardous.

### DESCRIPTION

Superflat® Remove™ is a chemical based cutting agent that is applied to concrete surfaces to aid in rapidly removing scratches and achieving high rates of concrete surface removal when wet grinding and polishing. Superflat® Remove™ was developed for the concrete industry as a replacement product to polishing powders that are harmful to concrete surfaces and extremely caustic. Advanced technology has made this unique blend of nano-synthetic abrasives and nano-molecular chemistry possible, creating a harmonious blend used for any cutting process involving concrete polishing, stone slab polishing, marble polishing and cement based terrazzo polishing. Superflat® Remove™ also contains an encapsulator that separates the water from the byproduct produced during the refinement process so that all waste

material can be classified as non-hazardous solid waste. Superflat® Remove™ not only removes scratches easily but it also uses the paste to fill in bug holes and micro cracks at the surface that impede good gloss readings within typical polishing procedures.

Superflat® Remove™ will eliminate the need for lengthy grinding steps. A typical project using Superflat® Remove™ will only require three tooling steps after coatings have been removed even if PCD's or 6 Grit metal bonds have created a heavy or deep scratch profile.

By using Superflat® Remove™, labor exposure and diamond tooling / consumables are significantly reduced from the polishing process.

### USES

Superflat® Remove™ is recommended for use wherever high level refinement, texture and/or processors that wish to simplify a polishing process is desired. It allows for the achievement of consistent results no matter the hardness of the concrete, terrazzo or natural stone tiles. Substrates treated with Superflat® Remove™ will produce densified, hardened, dustproofed, and improved abrasion-resistant surfaces. Ideal applications include floors in industrial plants and warehouses, hospitals, and airports.

### COVERAGE / APPLICATION RATE

Types of Surface	ft <sup>2</sup> /Gal	m <sup>2</sup> /Gal
Fresh (Newly Placed)	400-500	37.16-46.45

*Note: Coverage rates may vary slightly depending on the spray delivery system and/or operator and/or both.*

### FEATURES / BENEFITS

- Increases clarity
- Increases overall gloss by 40%
- Tighter, more consolidated surface for higher reflectivity
- Significantly increases abrasion resistance



## FEATURES / BENEFITS (CONTINUED)

- Nano-sized molecular reaction penetrates deeply into concrete to ensure tightly consolidated finishes
- Quick and easy, hassle-free application procedure (no flushing or rinsing required)
- No additional polish guards need for enhanced performance
- Simplistic inventory management
- Does not require hazardous waste cleanup procedures
- Dustproofs and improves abrasion resistance of treated surfaces
- Eliminates lengthy grinding process

- Allows the operator to control depth of cut without creating deep scratches
- Provides consistent results no matter hardness of the concrete
- Is not film forming and will not peel
- Completely integral
- Drastically Improves light reflectivity
- Compatible with integral dye systems
- Ready to use formulation and easy to apply
- Convenient for interior and exterior use
- Environmentally safe, non-hazardous
- No VOC's

## APPLICATION

For optimum results, it is recommended to use Superflat® Remove™ in conjunction with other products that are part of the Superflat® Concrete Enhancement™ family of products. It is also recommended to wait 7 days before using Superflat® Remove™ on newly placed concrete.

Existing Concrete: Wet entire surface with clean water and let stand for 20 minutes. Apply Superflat® Remove™ at a rate of 500 ft<sup>2</sup> per gallon and let stand for 20 minutes. If aggressive cuts are required, begin with 30 grit metal bond tooling.

Keep surface damp with water, do not allow machine to create dust or grind on dry surface. The concrete waste being produced should be a thick paste that has a shaving cream consistency. Do not apply water in excessive amounts and operate tool until a Ra (roughness average) of 100 or better is achieved. Continue with proper tooling in the same manner, keeping the tool damp with paste that was created in the initial stages until a Ra40 is achieved. With each pass, change direction of machine and move in the opposite (East/West) direction. Clean entire surface and prepare surface for concrete sealer. Best results are achieved by using a burnisher with a natural hair pad to thoroughly clean surface.

## ADDITIONAL INFORMATION

### PACKAGING

5 Gallon (18.93 Liter) Pails | 55 Gallon (208.20 Liter) Drum  
*Typical shelf life is 1 year in original, unopened container.*

**PRECAUTIONS:** DO NOT DILUTE. Do not apply if the temperature of the concrete is less than 38° F (3° C) or above 165° F (74° C). KEEP FROM FREEZING. If frozen, product should be discarded.

**DRYING TIME:** 45 minutes - 2 hours. Superflat® Remove™ will not create lengthy drying times. Product does not cause over accelerated reaction or negative workability features. Drying times will be determined by area of placement, ground temperature, air temperature, humidity and design mix characteristics for its particular application. Superflat® Remove™ will not impede or create incompatibility with special design mixes.

**CLEANUP:** While still wet, equipment may be cleaned quickly and easily with soap and water. Immediately wash off over-spray from glass, aluminum, or highly polished surfaces with water to avoid etching of surfaces. **Waste water may be disposed of as non-hazardous waste according to local regulations.**

### May contribute to LEED credits:

- EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

**HEALTH HAZARDS:** Superflat® Remove™ is non-combustible. (Flash point is >210° F.) Direct contact will result in irritation of the skin and eyes. Inhalation of product mist may result in respiratory irritation. Refer to Safety Data Sheet (SDS) for complete health and safety information.

**LIMITED WARRANTY:** Superflat® warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. Superflat® cannot, however, under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As Superflat® has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and end user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

*For our most current data sheets, please visit: [www.getsuperflat.com](http://www.getsuperflat.com)*