



ChemMasters®

ChemGuard™

Penetrating Guard for Polished Concrete

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

ChemGuard represents a quantum leap in polished concrete floor “guard” technology. Competitive products are blends of commercially available polymers and siliceous materials. By comparison, **ChemGuard** is formulated with customized polymers, hybridized silicates, and organically reacted colloidal silica; all of which have been synthesized for the express purpose of working in concert with one another to protect and enhance polished concrete floors. The result is a penetrating guard with gloss, stain protection and unmatched performance. **ChemGuard** prolongs the life of decorative concrete floors, improves their appearance, and lowers maintenance costs.

USES

- Protect and enhance polished and decorative concrete substrates.

ADVANTAGES

- **ChemGuard** exhibits early film formation as compared to conventional guards. Safely puts floors back into service sooner by superior early resistance to red wine, water, acid and oil.
- Excellent early and ultimate stain resistance keeps floors looking great, even after accidents and spills.
- Unsurpassed hardness and durability keeps floors looking better, longer. Increased resistance to scratches and gouges.
- Improved gloss for a higher quality appearance.
- Superior distinction of image – highest DOI of any major brand.
- Outstanding repairability – **ChemGuard** is burnishable for fast, easy repair of scratches and gouges.
- Recoatability – severely damaged areas may be recoated without the need to strip the entire floor. Recoated areas blend well with the existing floor.

TECHNICAL DATA

- Complies with National V.O.C. Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and lower VOC regulations @ < 350g/L
- USDA when cured for incidental food contact

Packaging Part Number

5 gal (18.9 liter)	36 per pallet	F1228.05
55 gal (208 liter)	4 / pallet	F1228.55

Estimating Guide coverage rates vary with concrete porosity

Substrate	ft ² /gallon	m ² /liter
Polished Concrete	1,000 to 3,000	92.9 to 278.7

Drying Time @ 70°F (21°C) with 50% R.H.

Dry to _ condition	Hours
To touch	1/2 to 1
For Light foot traffic	12
For heavy traffic	24
Maximum	72

Physical Properties

VOC content	<150
Flash Point closed cup	>212°F (100°C)

DIRECTIONS

Mixing: Do not dilute. **ChemGuard** is packaged ready to use. Gently mix prior to application.



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An American Owned & Operated Company

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Surface Preparation: Substrate should be fully polished, thoroughly rinsed and free of all dirt, dust, slurry, oils, coatings, curing compounds or any other contaminants that may interfere with the absorption and adhesion of **ChemGuard**.

Mask any wood, aluminum, steel or glass surfaces in the application area. If overspray should occur, immediately wash with warm water to remove. Control joints that have not been filled should be masked to allow for adhesion of subsequent joint filler.

Application: Apply **ChemGuard** to a clean, dry substrate using a foam or microfiber floor applicator. Work **ChemGuard** into the surface, breaking surface tension and promoting maximum product absorption and adhesion. Apply at a rate of 1,000 to 3,000 ft² per gallon based upon substrate porosity and aesthetic objectives. Do not allow material to puddle. Allow first coat to adequately coalesce, approximately 1 hour @ 70°F (21.1°C) prior to application of second coat.

Curing: **ChemGuard** achieves initial cure and excellent stain resistance within 12 hours of application, with full cure and stain resistance within 72 hours.

Burnishing: Burnishing between first and second coats is optional, but not necessary. Allow a minimum of 2 hours @ 70°F (21.1°C) prior to burnishing first coat. Avoid use of aggressive burnishing pads for this purpose as they may damage **ChemGuard** prior to full cure.

Allow second coat to cure for a minimum of 12 hours prior to final burnishing with a medium duty/aggressive pad. Finish aesthetics and gloss increase as **ChemGuard** fully cures and hardens. More aggressive burnishing techniques are acceptable after 72 hour cure.

Maintenance: Polished concrete surfaces require an effective maintenance program to best protect their aesthetic qualities. Dirt and grit should be removed on a daily basis. Clean **ChemGuard** on a weekly basis with a pH neutral cleaner that leaves no residue. Clean spills and contaminants quickly in order to prevent staining. Repolish localized damage as needed and re-apply **ChemGuard** accordingly. Complete removal and reapplication may be necessary every 6 to 24 months, depending on exposure and traffic.

CLEANUP

Clean tools immediately after use with warm water and detergent.

STORAGE

Do not allow to freeze. Store tightly sealed containers in a cool dry area away from direct sunlight. Shelf life is 1 year from date of manufacture.

LIMITATIONS

- **ChemGuard** should not be used on surfaces to receive concrete overlays, toppings or subsequent surface treatments.
- For maximum stain protection, quickly clean all spills and contaminants. Particularly within initial 72 hours.
- Do not apply **ChemGuard** to joints or channels scheduled to receive elastomeric caulks or fillers.
- Do not use if ambient or surface temperature is below 50°F (10°C). For best results, condition material to at least 60°F (16°C) prior to application.
- Quality sealers, guards and floor treatments may darken or highlight the subtle color variations naturally present in concrete.
- Test applications are always recommended prior to ensure satisfactory results.

CAUTION

May cause skin and eye irritation. Do not take internally.

Keep out of Reach of Children. All label precautions and the SDS must be fully understood before using this product. Ensure that you are using the most recent technical data sheet for instructions. Go to www.chemmasters.net for the most up to date information or contact ChemMasters to verify at 800.486.7866.

Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite. All label directions and the Safety Data Sheet must be understood before beginning application procedure.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.