

Concrete Surface Care

A Preparation and High Gloss Water-Based Epoxy/Acrylate System for Concrete Surfaces

This program is specifically designed to clean and prepare all uncoated concrete surfaces, for the application of Perma's high performance water-based epoxy/acrylate finish, Perma Seal II. The powerful, deep cleaning action of Grease Cutter makes it ideal for cleaning areas that experience severe soil conditions, comprised of greases, oils, and heavy protein soil build-up, helping to ensure good adhesion. Etching with Prepare chemically abrades the concrete, creating a profile that further enhances the bond of Perma Seal II. Perma Seal II provides a high gloss, chemical resistant, protective finish with the durability required for high traffic commercial and industrial environments.

Floor Preparation and Application Products

GREASE CUTTER

**Low Foam, USDA Compliant,
Non-Corrosive, Food Service Degreaser**

GREASE CUTTER offers a safer, yet effective alternative for cleaning and degreasing the stubborn protein based soils, commonly encountered in meat and food processing facilities, commercial kitchens, and food storage areas. Formulated with water miscible solvents and powerful detergents, GREASE CUTTER will readily dissolve animal fats, fish slime, meat residues, blood, oils and other protein based and hard to remove soils. GREASE CUTTER's moderate foaming action effectively suspends soils, yet allows it's use in autoscrubbers or pressure washers without overflowing recovery tanks or generating excess foam. Non-corrosive and biodegradable. GREASE CUTTER may be used on all metal, concrete, ceramic tile, stone, formica, rubber, and painted surfaces.



Product #150

PREPARE

**Acid Etching And Bleaching Treatment
For Concrete, Ceramic Tile And Stone**

Prepare is a concentrated formulation containing Hydrochloric (Muriatic) Acid, detergents, and surfactants for use in preparing concrete, terrazzo, and unglazed stone or ceramic tile flooring for coating with water or solvent-based sealers. Prepare's powerful chemical reaction dissolves ground in dust and dirt, opening up the pores in smooth mineral surfaces and insuring proper adhesion characteristics between the flooring and sealer. This treatment can also enhance slip resistance characteristics on particularly smooth masonry or stone surfaces.



Product #111E

PERMA SEAL II

Epoxy/Acrylate Concrete Finish

This high performance, water-based epoxy/acrylate finish provides outstanding durability, abrasion resistance, and high gloss retention without the toxicity and disposal considerations associated with some solvent systems. Perma Seal II also displays superb resistance to a wide variety of chemicals and solvents commonly found in industrial and commercial environments. When cured, Perma Seal II exhibits characteristics superior to solvent-based urethanes and rivals those of solvent-based epoxy coatings. Perma Seal II produces superior results when used on a broad range of concrete, ceramic and even vinyl composition tile surfaces. Perma Seal II is available in Clear, Light Gray, Medium Gray, Beige and Light Blue.



Product #22

Concrete Surface Care

Floor Preparation and Application Procedures

Step 1c- Grease Cutter For Cleaning Or Degreasing Of Moderate Soil Concentrations

For routine cleaning of floors, walls, food preparation tables or other hard surfaces in food service areas, dilute 1 part Grease Cutter with 32 parts hot or cold water (4 ounces per gallon). Diluted solution may be applied with a pressurized sprayer, pressure washer, automatic scrubber or mop. Allow the solution to work for several minutes then agitate with a brush, scrubbing machine, or automatic scrubber. Remove the soiled solution with a wet vacuum, automatic scrubber or mop, then rinse the surface thoroughly with clean water, and allow it to dry. Dilution ratios of Grease Cutter may be increased or decreased; 4 ounces per gallon (1:32) for routine cleaning to 12 ounces per gallon (1:10) for heavy duty degreasing.



Step 2- Use Prepare To Open Pores And Whiten Grout Prior To Applying Stone Seal

CAUTION: This is a concentrated product formulated for professional use only!

Safety glasses, gloves, and protective footwear should be worn at all times during application. Provide for adequate ventilation of fumes which may be generated during application. In enclosed areas with limited ventilation a respirator may be necessary. High concentrations of vapor due to limited ventilation can also cause flash rusting of stainless steel. Do not mix this product with other chemicals. NOTE: Prepare should be used with extreme caution on polished surfaces and marble, terrazzo, limestone, or other calcium containing materials. Prepare will remove the gloss from polished surfaces and will etch and possibly damage soft or high calcium content stones.

Uniformly dampen the area to be treated with clean water. For light to moderate soil or staining on ceramic tile or stone dilute Prepare 1 part cleaner to 3 parts cold water. For heavy soil or staining, or for etching concrete prior to coating Prepare may be concentrated up to 1 part cleaner to 1 part cold water. **NOTE:** concentrations of Prepare at 1:1 or higher can cause efflorescence in grout lines which should be removed by scrubbing with hot water and a deck brush or a 175-300 Rpm buffing machine equipped with a brush prior to sealing. Apply solution to the floor using a plastic watering can, then spread evenly using a deck brush or synthetic fiber mop. Allow the solution to work for approximately 5 minutes or until white foaming action ceases. Scrub the application area with a buffing machine equipped with a staggered bristle zim-grit or nylo-grit type brush or deck brush, to assist in thorough cleaning. Completely remove the etching solution, preferably with a wet vacuum. Rinse by applying clean water liberally with a watering can or mop. Scrub briefly to agitate rinse water. Remove rinse water with a wet vacuum or mop. Thoroughly rinse all application equipment with clean water.

Coverage: approximately 250 ft²/gallon of use solution.



Step 3- Coat Floor With Perma Seal II

New concrete floors should be allowed to cure a minimum of thirty days. Application to floors colder than 60° F is not recommended. Floor surfaces must be free of any release agents, curing compounds, salts or efflorescence before coating. Sweep and then wash floors with Brut, Grease Strip, or Citru-Gest to remove oil, grease, and soil. Follow by etching surface with Prepare, then thoroughly rinse with clean water.

If floor has been previously coated, a small area should be cleaned, roughed up by screen dinking with an 80 Grit screen, and then sealer applied to test for adhesion, lifting, etc. Any areas of the existing coating which display poor adhesion should be removed. Wash the stripped areas, acid etch, and rinse thoroughly. Allow the floor to dry.

Catalyzed Perma Seal II should be used within six hours of mixing. Prepare only the quantity necessary for immediate use. Add premeasured catalyst to epoxy base. Stir gently until the catalyst has been thoroughly mixed in. Allow catalyzed Perma Seal II to stand for 5 minutes.

Application: Perma Seal II can be applied with a short nap roller (1/4"-3/8"). Apply Perma Seal II in thin, uniform coats. The initial coat will cover approximately 400-500 ft² per gallon. Allow the initial coat to dry for 5-7 hours, then apply a second coat. **Note: dry times can vary depending on floor temperature and humidity conditions. High humidity and/or cool floor temperatures can extend drying and curing times.** Second coat coverage is approximately 500-600 ft² per gallon.

Perma Seal II can also be applied using an electric airless sprayer. Mask surrounding areas to protect them from over-spray. Use of an extension pole can help reduce over-spray. Positive results have been obtained using a 10" fan pattern spray tip with a .017 orifice. Apply a thin, uniform coat, making sure to move at a constant rate. Spraying can apply a heavier coat than rolling, so additional drying time may be required if a second is to be applied.

NOTE: This product is not recommended for applications that experience reoccurring standing water. Finished floors may be opened to light traffic, under normal curing conditions, after 12 hours. Complete curing with maximum durability and chemical resistance will take 5-7 days.



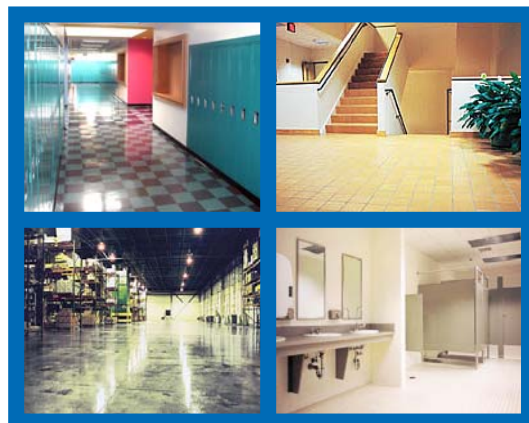
Concrete Surface Care

Floor Cleaning and Maintenance Products

SUPER BLUE

Premium Quality, Cleaner/Degreaser/Deodorizer

A super-concentrated, versatile, all purpose cleaner/degreaser for the true maintenance professional. Super Blue cleans chemically, economically, and quickly, virtually any type of soil, on any surface, in institutional, industrial, transportation, hospital, and food service operations. Super Blue quickly and effectively suspends and removes calcium and sodium chloride deposits left from ice melting compounds. Super Blue cleans without rinsing even in hard water, and will not harm existing finishes. Perma's highest quality all purpose cleaner.



Product #129

TRACTION CLEAN

Slip Resistant Cleaner/Degreaser

Traction Clean is formulated to provide the cleaning and soil suspension properties necessary to effectively clean and maintain positive slip resistant characteristics in restaurant and food service areas, restrooms, nursing homes, hospitals, and light industrial manufacturing facilities where food, protein-based soils, light oils, and dirt can cause slippery conditions. Detergents and surfactants effectively break down and suspend soils, removing the potential cause of many slippery floors. Special additives increase the coefficient of friction beyond the level normally inherent in the existing floor surface. Extensive laboratory and field testing on various types of flooring (including resilient tile, ceramic and stone tile, sealed wood, and concrete) has demonstrated this product's ability to raise the coefficient of friction readings beyond those required by the Occupational Safety and Health Administration and the 0.6 SCOF recommended by the National Floor Safety Institute, ANSI and Americans With Disabilities Act.



Product #100

GREASE CUTTER

Low Foam, USDA Compliant, Non-Corrosive, Food Service Degreaser

Although effective, highly alkaline, corrosive degreasers present safety issues that are becoming of increasing concern to industrial hygienists responsible for employee safety, and the maintenance personnel that use them. GREASE CUTTER offers a safer, yet effective alternative for cleaning and degreasing the stubborn protein based soils, commonly encountered in meat and food processing facilities, commercial kitchens, and food storage areas. Formulated with water miscible solvents and powerful detergents, GREASE CUTTER will readily dissolve animal fats, fish slime, meat residues, blood, oils and other protein based and hard to remove soils. GREASE CUTTER's moderate foaming action effectively suspends soils, yet allows it's use in autoscrubbers or pressure washers without overflowing recovery tanks or generating excess foam. Non-corrosive and biodegradable GREASE CUTTER provides the aggressive cleaning power needed in commercial food handling facilities, without the potential for chemical burns and related health considerations associated with highly alkaline degreasers. GREASE CUTTER may be used on all metal, concrete, ceramic tile, stone, formica, rubber, and painted surfaces.



Product #150

Concrete Surface Care

Floor Cleaning and Maintenance Procedures

Step1a - Clean Floors With Super Blue Cleaner/Degreaser

LIGHT CLEANING: Use at a concentration of 1 ounce per gallon of water (1:128) for damp mopping floors, cleaning walls, fixtures, formica, skylights and routine spray cleaning.

MEDIUM CLEANING: Dilute to 2 ounces per gallon of water (1:64) for cleaning concrete floors, ceramic tile, bathroom fixtures, toilets, airfilters, refrigerators, mats, runners, or anywhere there is moderate soil build-up.

HEAVY DUTY CLEANING: Dilute at 4 ounces per gallon of water (1:32) for cleaning commercial kitchen floors, range hoods, exhaust fans, shower stalls, cars, buses, trucks, or any heavy protein-based soils, grease or oils.



Step1b - Traction Clean to Clean Or Degrease And Increase Slip Resistance

Dilute Traction Clean with warm water at the following dilutions, depending on the degree and type of soil to be removed:

Light Duty Cleaning: 8 ounces Traction Clean per gallon of water (1:16).

Medium Duty Cleaning: 12 ounces Traction Clean per gallon of water (1:10).

Heavy Duty Cleaning: 16 ounces Traction Clean per gallon of water (1:8).

Apply with either an autoscrubber or by damp mopping. In order to avoid redepositing grease and protein soils when damp mopping, a two bucket system in which one bucket contains the Traction Clean and one bucket is used for soiled solution, should be used. Heavy deposits of protein soil, dirt or grease may be addressed by applying Traction Clean at 16 ounces per gallon using a pressurized sprayer, watering can, or mop. Scrub the area with a stiff bristled brush or buffing machine, remove the soiled solution with a wet vacuum or mop, and finish the cleaning procedure by damp mopping. Allow the floor to dry. Do not rinse.



Step1c- Grease Cutter For Cleaning Or Degreasing Of Moderate Soil Concentrations

For routine cleaning of floors, walls, food preparation tables or other hard surfaces in food service areas, dilute 1 part Grease Cutter with 32 parts hot or cold water (4 ounces per gallon). Diluted solution may be applied with a pressurized sprayer, pressure washer, automatic scrubber or mop. Allow the solution to work for several minutes then agitate with a brush, scrubbing machine, or automatic scrubber. Remove the soiled solution with a wet vacuum, automatic scrubber or mop, then rinse the surface thoroughly with clean water, and allow it to dry.

Dilution ratios of Grease Cutter may be increased or decreased; 4 ounces per gallon (1:32) for routine cleaning to 12 ounces per gallon (1:10) for heavy duty degreasing.



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