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Pentra-Guard® (HP)

Protector® (POROUS)

Advanced High-Gloss, Stain and Wear Protection Surface Hardener

For Porous, Semi-Honed Surfaces

Formulated for Protecting Semi-Polished Concrete,
Finished Stone and Terrazzo Surfaces. (250-800 grit profiles)



MANUFACTURED BY

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TECHNICAL SERVICE

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"POP" - An attractive, High-Gloss Finish on Semi-polished Concrete, Factory-Finished Stone and Terrazzo Surfaces

ADVANTAGES

- Get maximum protection and maximum aesthetics with minimum downtime
- Non-streaking, fast curing protective treatment
- Leaves a shiny, durable, reflective surface
- Imparts high reflectivity when burnished
- Superior clarity, will not peel, flake or fade
- Easy to maintain and re-apply—chemically bonds
- Creates a tough wear surface
- Heavy-duty protection against stains
- Easy-to-use, water-based formula
- VOC compliant, environmentally friendly
- Interior use only

DESCRIPTION

This patented lithium fortified finish offers deep penetration, increased surface hardness and superior reflectivity. Protector® provides an easy way to protect and enhance the shine and clarity of semi-polished floors.

Apply with a microfiber pad and applicator then burnish with diamond-impregnated pads at high-speed (1500-2500 rpms). The result will be an extremely glossy surface with excellent wear properties and extended life. The reactive micro-impregnating Nano Lithium™ hybrid chemistry gives greater protection and greater gloss with less labor. Treated surfaces will have increased durability and improved stain and scratch resistance. We recommend two coats for initial protection. Retreatment in one to two years (depending on wear) with Restorer® (CHEMICAL POLISH) will renew dulled surfaces. Routine maintenance with Refurbisher® (Mop 'N Buff) will maintain reflectivity



extraordinarily friendly



lithium treatments

Go Green



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and preserve the polished finish. The unique treatment is extremely low in VOC's (less than 50 grams per liter), environmentally friendly.

The formula combines the durable protection of a penetrating densifier with the attractive finish of a high performance glossy clear coating. Creates a stronger, more impenetrable and better-looking finish (glossy) that is dust-proof, resistant to staining (oils and many acids) and deterioration. The advanced performance treatment produces a tough wear resistant surface for high abuse areas (heavy foot or forklift traffic, chemical exposure, impact or abrasion). The attractive finish is easy to maintain. Scratches, tire and/or heel marks are easily buffed out. Will not peel, flake or fade.

This product meets CSMA floor polish slip resistance requirements employing ASTM test method # D 2047.

PACKAGING SIZES AVAILABLE

1 Gallon Container, 5 Gallon Pail, 55 Gallon Drum & 275 Gallon Tote.

TYPICAL COVERAGE RATES

1,500-2,500 sq. ft. per gallon (45-75 m² per liter)
High Reflectivity on 250-800 grit surfaces (1500 sq. ft. first application / 2500 sq. ft. second application).

GENERAL DIRECTIONS

Burnishing will revive the high-gloss and wear protection properties of the treated surface. Scuffing, heel and/or tire marks are easily burnished away after initial treatment.

APPLICATION INSTRUCTIONS

1. Deep scrub the floor with a ceramic black pad.
2. Mix, shake or stir thoroughly before applying.
3. Choose from 12–24" microfiber application pads. Pad selection based on:
 - Size of application area.
 - Applicator's comfort level with application system.
4. Apply Protector® (POROUS) Advanced High-Gloss, Stain and Wear Protection Finish using a clean, pre-dampened microfiber pad and applicator. Apply at a rate of 1,500–2,500 sq. ft. per gal depending on the surface profile spreading material thinly and evenly so as to completely cover the substrate. We recommend coating a maximum of 20 x 20' sections at a time.
5. Allow to dry for 10 to 15 minutes. (You will want to burnish / buff coating within 10-15 minutes of drying.)
6. Burnish / Buff with high-speed machine (1500 - 2500

rpms) using a fine / ultra fine diamond-impregnated pad. Burnishing of individual Protector® coats is highly recommended to improve curing process and overall sheen level. **IMPORTANT:** If floor is not burnished, allow each application to dry at least 30-60 minutes before reapplying next coat. Buffing between applications with a high-speed-burnisher accompanied by a diamond-impregnated pad system is the recommended method.

7. Repeat steps 4 & 5 depending on the surface profile and desired gloss levels. Repeated applications build a stain resistant microfilm over the substrate. Do not over apply. It is critical to apply very thin multiple coats. If applied too thickly, Protector® will cure improperly, discolor, whiten, leave streaks and/or applicator marks.
8. Do not to clean or scrub for at least 72 hours following application.
9. **IMPORTANT:** Avoid moisture for 72 Hours. Do not allow standing water for 14 days. Do not place protective plastic sheeting, rubber matting, rugs or furniture on newly treated surfaces for at least 5 days. Coverings can prevent proper drying and trap moisture, which can result in cloudy whitening effect and retard proper curing.
 - a. Light pedestrian use within 30-60 minutes, vehicle traffic in 2 hours.
 - b. Maximum performance may take up to 14 days to develop, depending on temperature and humidity. Finish will reflect images from side and overhead lighting. The high-gloss finish will look wet and show mirror-like reflections of side and overhead images.

PROTECTION

- A Do not allow standing water or puddles of water to be left on the surface. (Immediately wipe up any spills and or water.)
- B Do not to clean or scrub the surface for 72 hours (no moisture contact) to prevent the possibility of "whitening" or discoloration.
- C Do not use protective sheeting (plastic) or other barrier sheeting to protect the surface from construction debris while the coating is curing.

CLEAN UP

Use water to clean tools and equipment. Treatments is environmentally friendly and requires no special or hazardous disposal methods.



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MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floors with neutral pH cleaners/water is recommended. DO NOT USE acidic, citrus or butoxyethanol cleaners to maintain the floor.

PROFESSIONAL USE ONLY

Building Service Cleaning Professionals and Industrial Flooring Contractors. Not for sale to or resale to general public. For authorized and trained applicators use only and must be applied by trained or certified contractors and / or licensed field service specialists.

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HEALTH AND SAFETY PRECAUTIONS

Protector® (POROUS) Advanced High-Gloss, Stain and Wear Protection Finish is an aqueous Lithium silicate solution that uses proprietary compounds. The treatment is alkaline and may cause eye and skin irritation. KEEP OUT OF THE REACH OF CHILDREN. Do not take internally. Avoid prolonged contact with skin. Avoid ingestion of material. If swallowed, do not induce vomiting – Call physician. Avoid contact with eyes. Protective clothing is recommended. Protective goggles are recommended in case of splashing. If splashed in eyes, wash immediately with clean water and call physician if irritation persists. Contact areas should be thoroughly washed with soap and water. Additional precautions, safety information and first aid treatments are contained in the Material

Safety Data Sheet. Protector® (POROUS) will bond to most surfaces - immediately wash off over spray with water and mild detergent. **CAUTION:** Surfaces wet with Protector® (POROUS) may be slippery.

FOR MEDICAL EMERGENCIES ONLY

Call Infotrac (800) 535-5053 Outside USA (352) 323-3500

WARRANTY

LIMITED WARRANTY NOTICE Every reasonable effort is made to apply Convergent Concrete Technologies, LLC. exacting standards both in the manufacture of our products and in the information that we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Convergent Concrete Technologies MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Convergent Concrete Technologies shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Convergent Concrete Technologies Research Director. This information and all further technical advice are based on Convergent Concrete Technologies' present knowledge and experience. However, Convergent Concrete Technologies assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Convergent Concrete Technologies disclaims all WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. CONVERGENT CONCRETE TECHNOLOGIES SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Convergent Concrete Technologies reserves the right to make any changes according to technological progress or further developments. It is the customer's (Authorized Applicator) responsibility and obligation to carefully inspect and test any incoming goods. Performance of the products) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

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