

Pentra-Guard®

(HPS) High Gloss Stain & Wear Protection
Treatment (for Polished Surfaces)

Convergent Group S.A.

Specialty Chemical Concrete
Treatments Commercial

Products Group
Zoning Industriel de Mariembourg
Rue des Mousquetaires Gris, 35
B-5660 Mariembourg
Belgium - Europe
Office: +32 60 390 752
Fax: +32 60 390 751

www.convergent-group.com



nanoLithium

Patented Technologies by Advan

Nano-Lithium® (NL)
Concrete Treatment
www.nano-lithium.com



Convergent "Flooring Division's products
are distributed Exclusively in South Africa
by Technical Finishes KZN (Pty)Ltd.

41 Circuit Rd, Westmead, Pinetown, 3610
South Africa
Cell: 083-524 3879
Fax: 031-705 6432
info@technicalfinishes.com



PRODUCT DESCRIPTION

Pentra-Guard® (HPS) is great for protecting newly polished concrete, factory finished stone, and terrazzo surfaces. This patented lithium-fortified finish offers deep penetration, increased surface hardness, and superior reflectivity.

The reactive micro-impregnating Nano Lithium™ polymer creates greater protection and greater gloss with less labor. Treated surfaces will have increased durability and abrasion resistance. We recommend two coats for initial protection. A retreatment every one to two years with **Pentra-Guard® (HPS)** will renew dulled surfaces. Maintenance with **Pentra-Guard® (HPS)** will help maintain reflectivity as well as preserve the polished finish. The unique treatment is extremely low in VOC's (less than 50 grams per liter) and environmentally friendly. This product meets CSMA floor polish slip resistance requirements employing ASTM test method #D2047.

KEY BENEFITS

- Non-streaking, fast-curing protective treatment
- Leaves durable, reflective surface
- Imparts high gloss reflectivity when burnished
- Superior clarity and will not peel, flake or fade
- Easy to maintain and re-apply — Chemically bonds
- Creates tough wear surface
- Heavy-duty protection against stains
- Easy-to-use, water-based formula
- VOC compliant, environmentally friendly

USES

For interior use only

Interior flooring: non-porous ground, honed, polished or burnished concrete surfaces.

Commercial: grocery stores, office building, retail, banks, malls, warehouses, distribution centers

Industrial: food processing facilities, cold storage/freezers, beverage and manufacturing plants

Institutional: churches, hospitals, universities, schools, museums

Theme & Leisure: resorts, hotels, casinos, restaurants, theaters

Governmental: federal & state buildings, prisons

Residential: concrete floors and garage

CUSTOMER SERVICE:

(+32 60 390 752) to verify the most current versions, visit our website: www.convergent-group.com or scan the code.

**APPLICATION**

Surface Preparation: Ensure that the surface to be treated is clean and dry.

Pentra-Guard® (HPS) will not hide stains. Aggressive scrubbing with a neutral to alkali cleaner is recommended. **Pentra-Guard® (HPS)** will not bond to acidic surfaces if applying over an acid stain. Neutralize thoroughly first.

Mixing: Lightly stir before each use. Do not over mix or bubbles and/or foaming can occur and make uniform application more difficult.

Placement [IMPORTANT]: Do not over-apply. Very thin coats are best.

Apply **Pentra-Guard® (HPS)** using a micro fiber pad that has been pre-dampened with water. Using a pump up sprayer or HVLP sprayer, spray lightly on the area to be treated, and then spread material thinly and evenly using the micro fiber pad over the rest of the area.

For best results, limit the size of the area being treated at any one time to a 20 ft. x 20 ft. (6.1m x 6.1m) section. Spread at a rate of 1,500-3000 sq. ft./gal. (37-74 sq m/L), depending on the porosity of the surface.

Spray another line of material when the applicator pad begins to drag.

Do not work material into the surface—spread it and leave it.

Buffing with a high-speed burnisher (1500-2100 rpm) and a hog's hair pad is recommended and will improve sheen.

Second applications will improve sheen and stain protection.

Second coats will usually take no more than 3000-4000 sq. ft./gal. (74–98 sq m/L), followed by a high-speed burnisher.

Allow each application to dry at least 30-60 minutes between coats.

Do not cover treated surfaces for at least 1 week, as protective coverings may slow curing and cause some whitening by trapping moisture.

Do not allow standing water or puddles of water to be left on the surface. (Immediately wipe up any spills and/or water.)

Do not to clean or scrub the surface for 72 hours (no moisture contact) to prevent the possibility of "whitening" or discoloration.

ESTIMATED COVERAGE

2000-3000 sq. ft. per gallon (60-90 m² per liter).

High Reflectivity 1500 + Grit profiles (2500 sq. ft. first application / 3000 sq. ft. second application).

CLEAN UP

Use soap and water to clean tools and equipment. Although **Pentra-Guard® (HPS)** is non-toxic and environmentally safe, it is alkaline—use up or dry out extra material and dispose of according to local regulations. Do not pour into sewer systems or storm drains

MAINTENANCE

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

FINAL RESULTS

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 surface that can prevent proper drying. Covering the surface can retard curing and result in a cloudy or whitening effect. Light pedestrian use is allowable within 30-60 minutes, vehicle traffic after 2 hours. 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.

SAFETY/HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN. **Pentra-Guard® (HP/S)** 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. Do not take internally. Avoid prolonged contact with skin. Protective clothing is recommended. Avoid ingestion of material. If swallowed, do not induce vomiting—call physician. Avoid contact with eyes. 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. **Pentra-Guard® (HPS)** will bond to most surfaces—immediately wash off tainted surface and spray with water and mild detergent.

CAUTION: Surfaces wet with **Pentra-Guard® (HP/S)** may be slippery.

PROPERTIES

Milky white, aqueous solution

Active Ingredients:	100% of total solids
Specific Gravity:	1.04
pH:	11
Flash Point:	None
Freeze point:	32° F (0° C)
Abrasion Resistance:	excellent

V.O.C.

Less than 50 g/L. Compliant with all US VOC regulations, including Federal EPA, OTC, LADCO, SCAQMD & CARB.

PACKAGING

25 L Plastic Pail
50 L Mini Drum
200 L Drum
1000 L Tote (IBC)

LIMITATIONS

FOR PROFESSIONAL USE ONLY

Use on interior surfaces only. Protect from freezing. Agitate before use. Do not allow standing water to dwell on surface for 7 days following application. Do not allow traffic on surface until it is dry—typically 30-60 minutes. **Pentra-Finish™ (HG)** will not bridge or fill cracks, and will not salvage honeycombed or structurally unsound surfaces. **Pentra-Finish™ (HG)** quickly bonds to most surfaces, including metal, wood, glass and paint. Protect adjacent surfaces. Remove overspray quickly with a damp cloth and soap. Always do a test patch before beginning the job to verify coverage, appearance, and surface material variations

TECHNICAL SERVICE

Customer Care
+32 60 390 752

EMAIL

technical@convergent-group.com

WEB

www.convergent-group.com

For chemical/medical emergencies only,

Anti Poison BE +32 70 245 245
Outside USA 352-323-3500

WARRANTY

LIMITED WARRANTY NOTICE. Every reasonable effort is made to apply 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 GROUP S.A. ("CONVERGENT") MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CONVERGENT 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 CONVERGENT'S Research Director. This information and all further technical advice are based on CONVERGENT'S present knowledge and experience. However, CONVERGENT 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 disclaims all WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. CONVERGENT SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. CONVERGENT 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 product(s) 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. CONVERGENT reserves the right to change specifications referred to in this literature at any time, without prior notice. The information contained herein is, to our knowledge, true and accurate. While this material is furnished in good faith, no warranty expressed or implied, of merchantability, completeness, fitness or otherwise is made. This material is offered only for your consideration, investigation and verification, and CONVERGENT disclaims any liability incurred from the use thereof and shall not in any event, be liable for any special, incidental or consequential damages arising from such use. This information is not intended to be all inclusive and the manner and conditions of use and handling of any material may involve other or additional considerations specific to the use or user. Nothing herein should be construed as permission or recommendation to infringe any patent or as to any specific use. No agent, representative or employee of this company is authorized to vary any term of this notice.



Refer to www.convergent-group.com for latest Technical Data Sheet and MSDS.

Convergent Group S.A. - Specialty Chemical Concrete Treatments * ZI de Mariembourg * Rue des Mousquetaires Gris, 35 * 5660 Mariembourg
* Belgique (Europe) * +32 60 390 752

UNIQUE STRENGTHS, UNMATCHED PERFORMANCE.™

©2014 Convergent Group S.A. All Rights Reserved.

Pentra-Guard® (HPS) is a registered trademark of Convergent Group S.A. Nano-Lithium® brand name and logo are registered trademarks of Advanced Concrete Technologies, LLC ("ADVAN") and sub-licensed to Convergent Group S.A., under a non exclusive co-brand/technology license. All rights reserved. Products manufactured and marketed by CONVERGENT GROUP S.A. are protected by patents and/or pending patents under license in the United States and other countries by ADVANCED CONCRETE TECHNOLOGIES, LLC. ADVANCED CONCRETE TECHNOLOGIES, LLC makes no claim as to the product performance or product shown to be other than as warranted. REVISION DATE 081114