

Pentra-Sil®

(IH) Impregnating Hardener for Terrazzo, Stone and Polished Concrete

Convergent Concrete
Technologies, LLC.
Specialty Chemical Concrete
Treatments
115 North 1380 West
Orem, Utah 84057
United States of America
Office: 801-375-2280
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PRODUCT DESCRIPTION

Pentra-Sil® (IH) is an extremely easy to use Nano-Lithium® densifier specifically designed for concrete polishing. Applied during the polishing process, this impregnating hardener improves the final appearance by creating a significantly harder surface that allows abrasive tooling to work more effectively to achieve a superior polish.

Pentra-Sil® (IH) increases gloss and clarity, improves overall abrasion resistance and reduces dusting. Pentra-Sil (IH) is a simple, one-coat application with no brooming or rinsing required during application. It is easy to apply and will not skin, film, discolor, or leave white blemishes. This lithium-based solution is VOC compliant.

KEY BENEFITS

- Extremely simple application
- Hardens concrete and terrazzo for polishing
- Allows abrasive tooling to work more effectively
- Improves abrasion resistance and reduces dusting
- Preserves the natural look of the surface
- VOC compliant, may contribute to LEED points (IEQ credit)

Customer Service:

Call 1-866-375-2280

Visit our website:

www.convergentconcrete.com

Or scan the code:**USES**

Grocery Stores, Parking Garages, Fire Stations, Sidewalks, Driveways, Loading Docks, Aircraft Hangars, Automotive Dealerships, Shipping Terminals, Vehicle Maintenance Areas, Office Buildings, Healthcare Facilities, Cafeterias/Restaurants, Correctional Institutions, Retail & Shopping Centers, Schools, Stadiums, Veterinary Clinics, Common Areas, Laboratories, Lobbies, Mechanical Rooms, Mezzanines, Manufacturing Facilities, Warehouses, Storage, Distribution Centers, Food Processing Plants, Textile Mills, Wastewater Treatment Plants, Pharmaceutical Plants, Electronic Facilities, Cold Storage/Freezers, Beverage Bottling Plants, Chemical Processing Plants, etc.

APPLICATION

Apply only when temperatures will be above 40°F (4°C) for at least 2 hours following application.

Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent Pentra-Sil® (IH) from penetrating. Do not use citrus or acidic cleaners. If acidic or d-limonene cleaners have been used, neutralize the surface using an alkaline cleaner (TSP, Tide laundry detergent, etc.).

Using a sprayer, apply Pentra-Sil® (IH) evenly on the surface. Keep the surface wet with product for at least 20 minutes, adding more product where needed. After material is no longer wet on the surface, continue grinding and polishing to the intended final surface profile and desired finish.

**Before application, always do a small test sample in a less-visible area to be sure there are no variables or contaminants in the substrate that may be incompatible with this product.*

ESTIMATED COVERAGE

300-500 ft² per gallon (7.4-12.3 m² per liter)

*Coverage rate will vary with concrete porosity and environmental conditions.

CLEAN UP

Use soap and water to clean tools and equipment. Although Pentra-Sil® (IH) 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

Clean with Pentra-Clean™ (CR), Pentra-Clean™ (DC) or neutral pH cleaners as needed. If additional protection or gloss is desired, apply Pentra-Finish™ (HG), Pentra-Pel™ (SI), or Pentra-Guard® (EXT). Consult a Convergent Concrete Representative for further information.

SAFETY/HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN.

Do not drink. If swallowed, do not induce vomiting; drink two glasses of water and call a physician. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and call a physician if irritation persists. Clean skin with soap and water.

CAUTION: Surfaces wet with Pentra-Sil® (IH) may be slippery.

Additional precautions, safety information and first aid treatments are contained in the Safety Data Sheet.

Technical Service

Customer Care:

Toll Free 866-375-2280
or 801-375-2280

Email:

info@convergentconcrete.com

Web:

www.convergentconcrete.com

For Chemical/Medical Emergencies:

Infotrac 800-535-5053

Outside USA 352-323-3500

PROPERTIES

Form: Liquid

Color: Opaque, dries clear

Odor: Slight to none

Total Solids: 5.8%

Specific Gravity: 1.03

pH: 11-12

VOC Content: <50g/L

Flash Point: N/A

Freeze Point: 32°F (0°C)

Shelf Life: 1 year in unopened, sealed container

PACKAGING

1-Gal Jug • 3.79 L

5-Gal Pail • 18.93 L

55-Gal Drum • 208.20 L

275-Gal Tote (IBC) • 1040 L

LIMITATIONS

Pentra-Sil® (IH) will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces. Not suitable for asphalt, non-cement surfaces or painted surfaces. Paint and coatings may be applied over the top of Pentra-Sil® (IH).

If Pentra-Sil® (IH) comes into contact with glass, fabric, metal, or painted surfaces, immediately wipe contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

Make certain the most current versions of the Pentra-Sil® (IH) Product Data Sheet and SDS are being used. Call Customer Service (1-866-375-2280) or visit our website (www.convergentconcrete.com) to find additional tips, guidelines and specifications. Proper application is the responsibility of the user. Field visits by Convergent Concrete Personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

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WARRANTY

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Refer to www.convergentconcrete.com for latest Technical Data Sheet and MSDS.

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UNIQUE STRENGTHS, UNMATCHED PERFORMANCE™

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