

Pentra® - Pel

(SI)

Surface Impregnator with Advanced
Micro-Bonding Stain Protection

Convergent Group S.A.

Specialty Chemical Concrete
Treatments Commercial

Products Group
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nanoLithium

Patented Technologies by Advan

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



PRODUCT DESCRIPTION

Pentra®-Pel (SI) is a surface-impregnating based stain guard designed for interior or exterior concrete, stone and masonry surfaces. This two component product provides a protective barrier that resists staining and creates an abrasion resistant, easy-to-clean surface. It densifies, seals, and repels while maintaining breathability and doesn't alter the appearance of the substrate.

Pentra®-Pel (SI) combines the benefits of Nano-Lithium® silicate densification with silicon reactive chemistry (SiRE)TM for superior stain protection. This penetrating sealer produces a water repellent, less porous surface to keep out aggressive salts, such as chlorides and sulfates. **Pentra®-Pel (SI)** may be used at the end of the polishing process in place of traditional film-forming guard products. This treatment is easy to use and is VOC compliant

KEY BENEFITS

- Provides a protective barrier that resists staining
- Hardens, densifies and seals
- Creates an abrasion resistant surface
- Protects polished concrete without forming a film
- Helps prevent freeze/thaw damage
- Repels water, oil and stains
- Preserves natural look of the substrate
- Performs well on natural stone
- Breathable—allows interior moisture to escape without damaging sealer
- VOC compliant, may contribute to LEED points (IEQ credit)

CUSTOMER SERVICE:

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

**USES**

Polished Concrete, Parking Garages, Fire Stations, Sidewalks, Driveways, Grocery Stores, 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, Retaining Walls, Stained Concrete, Steel Troweled, and Cementitious Toppings, Stamped Concrete, Exposed Aggregate, Concrete Block/Cinder block, Masonry, Pavers, Bricks, Porous Tile, Natural and Engineered Stone, etc.

APPLICATION

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.

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®-Pel (SI)** from penetrating the surface. 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.).

On exterior surfaces, use a sprayer to apply **Pentra®-Pel (SI)** evenly on the surface. Keep the surface wet with product for at least 20 minutes, adding more product where needed. As the material dries into the surface, spread out any puddles with a soft bristle broom.

On interior machine-troweled or polished concrete, spray **Pentra®-Pel (SI)** on the surface and spread evenly with a flat, microfiber pad. For best results, use joint lines as starting and stopping points. Do not over-work material into the surface- spread it and leave it.

The surface is ready for use when dry.

ESTIMATED COVERAGE

Polished concrete: 800-1000 ft² per gallon (19.6-24.5 m² per liter)

Machine-troweled: 600-800 ft² per gallon (14.7-19.6 m² per liter)

Broom-finished: 250-350 ft² per gallon (6.1-8.6 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®-Pel (SI)** 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. Con-sult a Convergent Concrete Representative for further information.

SAFETY / HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN. This product is alkaline. Keep container closed tightly when not in use. 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. **Pentra®-Pel (SI)** will dry out and irritate the skin. Clean skin with soap and water promptly.

CAUTION: Surfaces wet with **Pentra®-Pel (SI)** may be slippery.

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

PROPERTIES

A Form:	Liquid
Color:	Opaque, dries clear
Odor:	Slight to none
Solids:	13.1%
Specific Gravity:	1.01
pH:	11-12
VOC Content:	<50g/L
Flash Point:	N/A
Freeze Point:	32°F (0°C)
Shelf Life:	Part A- 1 year in unopened, sealed container Part B- 1 year in unopened, sealed container Once mixed, use within one week

PACKAGING

20 L Basket
200 L Drum
600 L Tote
1000 L Tote

LIMITATIONS

A light lithium residue may form on the surface after the product dries. This is excess **Pentra®-Pel (SI)** that was not absorbed and can be removed with a stiff broom or auto-scrubber. If the product is heavily overapplied, mechanical abrasion may be required to remove excess build-up.

Pentra®-Pel (SI) 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®-Pel (SI)**.

If **Pentra®-Pel (SI)** 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®-Pel (SI)** 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.

TECHNICAL SERVICE

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WARRANTY

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CONCRETE TECHNOLOGIES

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

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