



Pentra-Sil[®]
(C&N) Concrete Cleaner
and Neutralizer

Convergent Concrete
Technologies, LLC.

Specialty Chemical Concrete
Treatments

115 North 1380 West
Orem, Utah 84057
United States of America

Office: 801-375-2280

www.convergentconcrete.com



nanoLithium

Patented Technologies by Advan

Nano-Lithium[®] (NL) Concrete Treatment

PRODUCT DESCRIPTION

Pentra-Sil[®] (C&N) cleans and neutralizes concrete surfaces that suffer from efflorescence, surface sweating, and other alkalinity problems by infusing lithium ions into the substrate. These ions neutralize the effect of excessive sodium, potassium and other alkalinity, reducing the formation of alkaline salts and sweating. **For more extreme symptoms we recommend a full treatment of Pentra-Sil[®] (C&N) followed by Pentra-Sil[®] (AC).

KEY BENEFITS

- Stabilizes, cleans and neutralizes concrete surfaces
- Helps prevent efflorescence, sweating, and other alkalinity problems
- Removes fine particles and dust that can reduce shine
- 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® (C&N) from penetrating.

Using a sprayer, apply Pentra-Sil® (C&N) evenly on the surface. Keep the surface wet with product for at least 20 minutes, adding more product where needed. Work the Pentra-Sil® C&N into the surface using an automatic scrubber or stiff broom to enhance penetration. Remove all residual Pentra-Sil® C&N with clean water.

The surface is ready for use when dry. Surfaces may be retreated periodically if problems persist.

**It may be necessary to spray water on hot concrete with a surface temperature above 90°F (32°C) to cool the surface prior to application so Pentra-Sil® C&N does not flash-dry on the surface. Proceed with product application once the surface is dry.*

**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

Machine-troweled: 400-550 ft² per gallon (9.8-13.5 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. Pentra-Sil® (C&N) is non-toxic and environmentally safe. 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.

HEALTH/SAFETY 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® (C&N) 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: 1.07

pH: 5-6

VOC Content: <50g/L

Flash Point: N/A

Freeze point: 32°F(0°)

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

May not resolve all sweating or efflorescence problems. Use Pentra-Sil® (C&N) prior to Pentra-Sil® (AC) for more difficult symptoms. Pentra-Sil® (C&N) is not recommended for plastic concrete or resin-based terrazzo mixes. Do not allow Pentra-Sil® (C&N) to dry on terrazzo (resin-based) floors.

Pentra-Sil® (C&N) 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® (C&N).

If Pentra-Sil® (C&N) 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® (C&N) 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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