

Pentra[®]-Sil

(C&N) Concrete Cleaner and Neutralizer

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[®]-Sil (C&N) cleans and neutralizes concrete that suffers from efflorescence, sweating, and other alkalinity problems. Pentra[®]-Sil (C&N) Lithium fixer for Concrete Efflorescence and Sweating Problems works by infusing lithium ions into the substrate—these ions calm alkali reactions between aggregate and

Portland cement thereby reducing the formation of alkali salts and sweating. (For serious problems we recommend a full treatment of **Pentra[®]-Sil (C&N)**, **Pentra[®]-Sil (AC)**, and **Pentra[®]-Sil (HD)**). **Pentra[®]-Sil (C&N)** is also excellent for cleaning concrete after diamond polishing. **Pentra[®]-Sil (C&N)** removes fine particles and dust that can reduce shine.

KEY BENEFITS

- Stabilizes and fortifies concrete surfaces by infusing lithium ions into the substrate
- Neutralizes concrete that suffers from efflorescence, sweating, and other alkalinity problems
- Helps prevent efflorescence and the leaching of lime
- Removes fine particles and dust that can reduce shine
- Excellent for cleaning concrete after diamond polishing

CUSTOMER SERVICE:

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

**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.

1. Thoroughly clean the substrate so it is free of all foreign materials such as bond breakers, curing agents, form release oils, dust, construction laitance, drywall residue etc. The surface should be dry before proceeding.
2. Use a low-pressure sprayer to apply **Pentra®-Sil (C&N)** so as to saturate the surface.
3. Work the **C&N** into the surface using an automatic scrubber or stiff broom to enhance penetration. Allow **Pentra®-Sil (C&N)** to dwell and penetrate 20-30 minutes. Keep the surface moist with **C&N** for 20 to 30 minutes (adding more product if necessary).
4. Remove all residual **C&N** with clear water. Let the surface dry.

Make certain the most current versions of **Pentra®-Sil (C&N)** Product Data sheet and MSDS are being used; Please read this information prior to use; call Customer Service (+32 60 390 752) to verify the most current versions or visit our website: www.convergent-group.com. Proper application is the responsibility of the user. Field visits by Convergent Group personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

ESTIMATED COVERAGE

Typical Coverage Rates: 1 liter per 6 to 9.8m²

*Coverage rate will vary with concrete quality, finish, and environment

CLEAN UP

Use soap and water to clean tools and equipment. Although **Pentra®-Sil (C&N)** is non-toxic and environmentally safe, it is slightly acidic—use up or dry out extra material and dispose of according to local regulations. Don't pour into sewer systems or storm drains.

HEALTH/SAFETY INFORMATION

Pentra®-Sil (C&N) is an aqueous Lithium solution that uses proprietary compounds. The treatment is mildly acidic 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. **Pentra®-Sil (C&N)** will etch glass and painted surfaces. Immediately wash off with water all overspray from glass and painted surfaces. **Caution:** Surfaces wet with **Pentra®-Sil (C&N)** may be slippery.

PROPERTIES

Form:	Clear to colorless aqueous solution, slightly acidic
Active Ingredients:	100% of total solids
Specific Gravity:	1.07
Flash Point:	N/A
Freeze point:	0°
Coefficient of Friction:	Does not change floor friction coefficient*
Depth of Surface Penetration:	2-8mm
Shelf Life:	1 year in factory sealed container

PACKAGING

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

LIMITATIONS

- **Pentra®-Sil (C&N)** is not suitable for asphaltic or non-cementitious surfaces or painted surfaces
- **Pentra®-Sil (C&N)** will not bridge or fill cracks and will not salvage honey combed or structurally unsound surfaces
- **Pentra®-Sil (C&N)** is not recommended for plastic concrete or mortar or resin-based terrazzo mixes
- Do not allow **Pentra®-Sil (C&N)** to dry on terrazzo (resin-based) floors except as indicated in application instructions
- Do not allow **Pentra®-Sil (C&N)** to come in contact with any glass, fabric, metal, or painted surfaces. Immediately wipe contaminated surfaces with a clean water saturated cloth, then wipe dry with a second clean cloth
- For subsequent coatings applications, perform proper surface preparation and consult the coating manufacturer for more instructions

TECHNICAL SERVICE

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CONCRETE TECHNOLOGIES

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

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