

# Pentra® (PCF)

Liquid Pore and Micro-Crack Filler  
for Concrete Grinding and Polishing

Convergent Concrete  
Technologies, LLC.

Specialty Chemical Concrete  
Treatments

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

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[www.convergentconcrete.com](http://www.convergentconcrete.com)



nanoLithium

Patented Technologies by Advan

Nano-Lithium® (NL) Concrete Treatment

## PRODUCT DESCRIPTION

Pentra® (PCF) is a liquid pore and micro-crack filler for concrete grinding and polishing. The final result creates better gloss and reflectivity. This reactive treatment mixes with the dust created during concrete grinding to fill pinholes, microcracks, aggregate pop outs, and other imperfections in the concrete surface. It cures into a durable surface that will accept stains, dyes and hardeners.

## KEY BENEFITS

- Fills imperfections during grinding operations
- Provides superior gloss and reflectivity
- Accepts color-stains and hardeners more uniformly
- Helps create a polished surface that is easier to maintain
- VOC compliant, may contribute to LEED points (IEQ credit)

**Customer Service:**

Call 1-866-375-2280

**Visit our website:**

[www.convergentconcrete.com](http://www.convergentconcrete.com)

**Or scan the code:****USES**

Polished Concrete, Grocery Stores, Parking Garages, Fire Stations, 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**

Pentra® (PCF) should be applied close to or during the final stage of metal/combo grinding operations. Dilute the product with water at a 2:1 ratio.

If the grinder is connected to a vacuum hose, disconnect it to allow the dust to mix with the product for a smooth, thick filler.

Spray Pentra® (PCF) or pour and spread it with a soft push broom on the floor immediately in the grinder's path. Coat floor up to 10 feet or less in front of the grinder, saturating the floor but not creating puddles. Grind the wet floor until slurry consistency becomes medium thick and has filled desired areas. Ensure even coverage on the surface. The grinder should reach treated areas before the solution dries.

Clean slurry from diamonds and other tools. Do not allow the machine to dry to the floor with slurry underneath. Let the floor dry 3-4 hours for maximum curing, then reconnect the vacuum hose (if needed) and continue the polishing process.

*\*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 ft<sup>2</sup> per gallon (diluted 2:1) (7.4 m<sup>2</sup> 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® (PCF) 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.

**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® (PCF) 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

Solids: 27.5%

Specific Gravity: 1.19

pH: 11-12

V.O.C. 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® (PCF) will not bridge or fill cracks more than 2-3mm 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® (PCF).

If Pentra® (PCF) 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® (PCF) Product Data Sheet and SDS are being used. Call Customer Service (1-866-375-2280) or visit our website ([www.convergentconcrete.com](http://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](http://www.convergentconcrete.com) for latest Technical Data Sheet and MSDS.

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**UNIQUE STRENGTHS, UNMATCHED PERFORMANCE™**

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