

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
Office: 801-375-2280
Fax: 801-375-2971

www.convergentconcrete.com

PRODUCT DESCRIPTION

Pentra[®] (PCF) Liquid Pore and Micro-crack Filler for concrete grinding and polishing, mixes with the dust created during concrete grinding.

The reactive treatment quickly cures into a durable smooth surface that readily accepts colored stains, dyes and hardeners, automatically fills pinholes, small air voids, microcracks and other imperfections in the concrete surface.

KEY BENEFITS

- Fills imperfections during grinding operations
- Accepts color-stains and hardeners more uniformly
- Creates a polished surface that is easier to maintain
- Easy-to-use, low odor, no rinsing required
- Penetrates--no film to lift or peel off
- VOC Compliant, can contribute to LEED points

CUSTOMER SERVICE:

(1-866-375-2280) to verify the most current versions, visit our website: www.convergentconcrete.com or scan the code.

**USES**

The easy-to-apply treatment dries fast and is suitable for any floor concrete or polishable topping) undergoing grinding, from warehouse-industrial, highly polished aesthetic floors to integrally colored or decorative concrete.

NEW, EXISTING CONCRETE / INTERIOR EXTERIOR AND POLISHABLE TOPPINGS

The easy-to-apply treatment dries fast and is suitable for any floor concrete or polishable topping) undergoing grinding, from warehouse-industrial, highly polished aesthetic floors to integrally colored or decorative concrete.

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.

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.

Pentra® (PCF) Liquid Pore and Micro-crack Filler should be applied close to or during the final stage of metal grinding operations. Always test to determine best practices for job site conditions.

1. If the grinder is connected to a vacuum hose, disconnect it. Disconnecting the vacuum prior to application helps get dust into the product for a smooth, thick filler.
2. Apply **Pentra® (PCF)** by spray, or pour-and-spread 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. Saturate the floor, but do not create puddles.
3. Grind the wet floor until consistency become medium thick. Then, use a squeegee to achieve even coverage on the surface. Ensure the grinder reaches treated areas before solution dries.
4. Let the floor dry 2–12 hours for maximum curing.
5. Reconnect vacuum hose (if needed) and continue grinding and polishing.

ESTIMATED COVERAGE

1 liter per 5m² to 16m². Coverage will vary with porosity and job site conditions.

Make certain the most current version of the **Pentra® (PCF)** Product Data sheet and MSDS are being used. Please read this information prior to use; call Customer Service (1-866-375-2280) to verify the most current versions or visit our website: www.convergentconcrete.com where you can also 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.

CLEAN UP

Use soap and water to clean tools and equipment. Although **Pentra® (PCF)** is nontoxic and environmentally safe, it is alkaline—use up or dry out extra material and dispose of according to local regulations. Don't pour into sewer systems or storm drains.

MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floors with neutral pH cleaners/water is recommended. DO NOT USE acidic or citrus cleaners to maintain the floor.

FINAL RESULTS

Typical drying time is 1-2 hours. Floors are ready for traffic and use when dry. A light lithium residue may form on the surface after the surface is dry. This is excess **Pentra® (PCF)** that was not absorbed and can be removed with a stiff broom, power sweeper or floor machine (if required).

SAFETY/HEALTH INFORMATION

Pentra® (PCF) is an aqueous Silicon Reactive (**SiRE**)™ solution that uses proprietary compounds. The treatment is alkaline 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® (PCF)** will etch glass and painted surfaces. Immediately wash off with water all overspray from glass and painted surfaces. CAUTION: Surfaces wet with **Pentra® (PCF)** may be slippery.4

PROPERTIES

Active Ingredients: 100% of total solids

Specific Gravity: 1.16 approx.

pH: 11.8

V.O.C. Content: 50<gms/L

Flash Point: N

Freeze point: 0°

Shelf Life: 1 year in unopened factory sealed container

PACKAGING

1 Gal • 9.95 lbs • 4.51 kgs

5 Gal Drum • 49.75 lbs • 22.56 kgs

55 Gal Drum • 517 lbs • 235 kgs

275 Gal Tote • 2,585 lbs • 1,175 kgs

LIMITATIONS

Pentra® (PCF) will not bridge or fill cracks more than 2-3mm and will not salvage honey-combed 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)**—follow paint or coating manufacturer's instructions.)

TECHNICAL SERVICE

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

EMAIL

technicalservice@convergent
concrete.com

WEB

www.convergentconcrete.com

**For chemical/medical
emergencies only,**

Call Infotrac 800-535-5053
Outside USA 352-323-3500

WARRANTY

The product and application information contained herein is offered in good faith and we believe it to be accurate. However, since conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Convergent Concrete Technologies, LLC. sole warranty is that our products will meet our specifications at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

CONVERGENT CONCRETE TECHNOLOGIES, LLC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. CONVERGENT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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

Convergent Concrete Technologies, LLC. ~ Specialty Chemical Concrete Treatments • 115 North 1380 West • Orem, Utah 84057 • 801-375-2280

UNIQUE STRENGTHS, UNMATCHED PERFORMANCE.™

©2013 Convergent Concrete Technologies, LLC. All Rights Reserved.

Pentra® (PCF) is a registered trademark of Convergent Concrete Technologies, LLC. Nano-Lithium® brand name and logo are registered trademarks of Advanced Concrete Technologies, LLC ("ADVAN") and sub-licensed to Convergent Concrete Technologies, LLC, under a non exclusive co-brand/technology license. All rights reserved. Products manufactured and marketed by CONVERGENT CONCRETE TECHNOLOGIES, LLC are protected by U.S. Patent #8,299,151 and/or pending patents under license in the United States and other countries by ADVANCED CONCRETE TECHNOLOGIES, LLC. ADVANCED CONCRETE TECHNOLOGIES, LLC makes no claim as to the product performance or product shown to be other than as warranted. REVISION DATE 012516