



# Pentra-Cure™ (MH) Membrane-Forming Cure and Hardener

Convergent Concrete  
Technologies, LLC.

Specialty Chemical Concrete  
Treatments

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



## PRODUCT DESCRIPTION

Pentra-Cure™ (MH) is a water-based, membrane-forming curing compound and densifier that meets ASTM C-309. Engineered through Responsive Separation Technology™ (RST), this all-in-one lithium formula is applied to fresh concrete slabs immediately after finishing operations are complete. By forming a membrane on the surface, it restricts the amount of moisture that can evaporate from the concrete while allowing Nano-Lithium® to penetrate and react with calcium hydroxide to improve both the curing and the hardening. This single component application forms a durable, abrasion resistant surface that protects concrete slabs from time of placement.

Pentra-Cure™ (MH) can save time and money during placement by replacing multiple products and processes with one, easy to use application. It is specifically designed for use on commercial and industrial concrete floors that need long-term protection against heavy wear and abuse. This product contains no solvents and has a VOC content <100g/L, making it earth-friendly and compliant in all regions of the United States.

## KEY BENEFITS

- Meets current ASTM C-309 specification (<0.52 kg/m<sup>2</sup> in 72 hours (\* 0.55 kg/m<sup>2</sup> max))
- Designed for exterior and interior applications
- Cures, hardens and densifies in a single application
- Easy to apply, can be applied by either the concrete finishing contractor or sub-contractor
- Reduces labor costs
- Easier curing compound removal
- Minimizes surface defects common to improperly-cured concrete
- Provides improved chemical and abrasion resistance
- Enhances natural appearance of concrete
- 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**

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 24 hours following application.

Remove all dust and dirt prior to applying Pentra-Cure™ (MH). Surface should not be marred or scuffed. Do not thin or dilute Pentra-Cure™ (MH). We recommend drill-mixing with a dispersion blade prior to use. The product will separate, especially when exposed to UV, so mix occasionally as you spray. It is best to use a recirculating pump to keep product from separating. Use a 1gpm tip on a low pressure sprayer to avoid clogging. Application equipment must be clean and free of foreign materials prior to use.

Apply Pentra-Cure™ (MH) immediately after all surface water has disappeared and after saw cuts have been completed. Spray uniformly without puddles to avoid differential curing or over-application.

Restrict foot traffic until surface is dry, generally 2-3 hours. After desired cure time, usually 28 days, use an auto scrubber, black pads, and Pentra-Clean™ (CR) to remove remaining cure material. If additional shine is desired, apply Pentra-Finish™ (HG) followed by burnishing with a hogs hair pad.

*\*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: 400-600 ft<sup>2</sup> per gal (9.8-14.7 m<sup>2</sup> per liter)

Broom-finished: 200-400 ft<sup>2</sup> per gal (4.9-9.8 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-Cure™ (MH) 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. 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.

**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

**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-Cure™ (MH) may be slippery.

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

**PROPERTIES**

Form: Liquid

Color: White, dries clear

Odor: Slight to none

Total Solids: 18.2%

Specific Gravity: 1.03

pH: 11

VOC Content: <100g/L

Flash Point: N/A

Freeze Point: 32°F (0°C)

Shelf Life: 1 year in unopened, sealed container

**PACKAGING**

5-Gal Pail • 18.93 L

55-Gal Drum • 208.20 L

**LIMITATIONS**

Product will not protect a slab from damage by rain immediately after placement.

Pentra-Cure™ (MH) 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-Cure™ (MH) once the membrane has been removed.

If Pentra-Cure™ (MH) 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-Cure™ (MH) 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**

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's 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.

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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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