



PHOSCRETE HC KIT [Bags & Jugs]

PRE-INSTALLATION CHECKLIST

PHOSCRETE HC is a fast-setting, easy-to-use concrete repair material that delivers long-lasting repairs with rapid return to service. PHOSCRETE HC is primarily used for horizontal, cast in place, and vertical form-and-pour repairs.

Shelf Life, Lot Numbers, Disposal, Health, Safety, and Environmental

When components are properly stored, **the shelf life of Phoscrete HC Dry Mix is two [2] years. The shelf life of Phoscrete Liquid Activator is one [1] year. Shelf life of Phoscrete Endure is 18 months.** Store Dry Mix indoors, in low humidity. Store Activator indoors and minimize temperature swings. Store Endure in temperatures above 41°F (5°C).

14 Digit Phoscrete Lot Numbers [PNX-YYMMDD-LBB] are printed on every bag of Dry Mix, every jug of Liquid Activator, and every jug of Endure so be sure to check the lot numbers before installing. Here is how to decode a Phoscrete product batch number:

Dry Mix Bags: [PNX-YYMMDD-LBB] First digit "P" is for Phoscrete. "N" is FORMULA (1 or 3) X=Formula Variation [1=HC, 2=VO, etc.) "YYMMDD" is the year, month, day. "L" is the production location. The last 2 digits BB are the batch number. For example: "P11-221012-C07" means the Phoscrete HC Dry Mix was bagged on Oct. 12, 2022, in Chicago, Batch 07.

Liquid Activator Jugs: [PAX-YYMMDD-LBB] First digit "P" is for Phoscrete. "A" is MALP Liquid Activator. "X" is Supplier Identifier. "YYMMDD" "L" is the production location. "BB" is the tote number. For example: "PA1-220917-C02" means the Phoscrete MALP Liquid Activator from Supplier 1 was bottled on Sept. 17, 2022, in Chicago, Tote 03.

Small Pails: [PAX-YYMMDD-LBB] Full lot numbers of liquid and dry components are printed on the bag and jar Inside the Small Pails. On the outside label, the production date for the enclosed Phoscrete Liquid Activator is printed because it has the shortest shelf life.

Endure Jugs, Drums, or Totes: [PEX-YYMMDD-LBB] "PE" indicates Phoscrete Endure. "X" is Supplier Identifier, "YYMMDD" BB indicates for the tank number. For example: "PE3-210626-I02" the ENDURE from supplier 3 was batched on June 26, 2021, in Iowa, tank 02.

Refer to [Phoscrete Best Practices - Activator Safe Disposal](#)ⁱ at phoscrete.com for more information

Phoscrete STRONGLY advises against installing expired material, material improperly stored, or material opened or damaged. If you cannot avoid installing a questionable material, first mix a full kit (or pail) in your shop and observe mixing properties, time of set, and maximum temperature to verify the material is consistent with fresh product.



Disposal: Hardened Phoscrete concrete and PHOSCRETE Dry Mix powder can be disposed in any dumpster or landfill. PHOSCRETE Liquid Activator must be neutralized before disposing. Refer to [Phoscrete Best Practices for Liquid Activator Disposal](#) at phoscrete.com. Contact your Phoscrete representative for any questions regarding disposal of improperly stored or expired material. Always follow local environmental regulations when disposing of Phoscrete.

Health, Safety, and Environmental: Read, understand, and follow all Installation Instructions, Safety Data Sheets, and product label information for this product prior to use. The latest SDS can be obtained by visiting phoscrete.com, emailing your request to safety@phoscrete.com, or calling +1 561-420-0595. Use only as directed. For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC® 24 Hours 800-424-9300 / +1 703-527-3887. Contracted by Phoscrete, CCN 866520.

Personal Protection Equipment

When mixing, placing, and finishing Phoscrete, wear a particle filtration mask, nitrile-coated gloves, and eye protection. Have water and an eye wash station handy. Wash your hands with soap and water after working with Phoscrete.

**Phoscrete HC mixes 1 BAG of Dry Mix into 1 JUG of Liquid Activator (Always pour Liquid first).
NEVER MIX PHOSCRETE WITH WATER!**

Mixing, Placing and Finishing Items

- ❑ **Heavy Duty Mixing Drill (minimum 7 amp, ½", dual/variable speed):** Start on low speed. (Bosch GBM9-16 is recommended). Warning: an under-powered drill will take longer to mix up Phoscrete HC, reducing your working/finishing time.
- ❑ **Phoscrete Urethane Mixing Auger:** Highly recommended for fastest mixing, easy clean-up.
- ❑ **Paddle-Style Mortar Mixer with rubber-tipped paddles:** On large volume repairs, up to six [6] kits may be mixed at once using a rubber tipped, paddle-type mortar mixer (Whiteman WM70PH8 with a polyethylene drum is recommended).
Review complete installation guidelines prior to working with mortar mixer.
- ❑ **Power Source and Extension Cords:** Enough to power all required drills. **Warning:** if your extension cord is too long or the wire gauge is too thin, or if you are powering too many devices, you will experience voltage drop, weakening the power of the drill mixers.
- ❑ **5-Gallon Buckets:** Use for mixing Phoscrete and storage of water for cleanup. Have at least 2 buckets for each person mixing Phoscrete plus 1 bucket for water/cleanup.
- ❑ **Water:** Clean trowels while finishing and clean hands and tools when job is completed.
- ❑ **Large Coolers:** Chill Liquid Activator on ice at least 4 hours in warm climates for extended working time prior to repair. Bring additional coolers and extra ice for larger repair jobs. When installing in lifts, save coldest activator jugs for final mixes.
- ❑ **Wire Brush:** Use to clean dust, debris, and slurry off edges when saw-cutting and to remove loose scale from rusted rebar.
- ❑ **Phoscrete Stinger (Pencil Vibrator):** Increase material flow and reduce air voids, especially for deeper pours, cast form and pours, and around and under rebar.



- ❑ **Magnesium Float (recommended) or Steel Trowel:** Tap hard when finishing to smooth and bring the liquid to surface. Trowel toward the edges for best bond.
- ❑ **Screed:** Level the repair to the surface prior to final finish, especially when working repairs up an incline. Urethane-painted wooden screeds prevent bonding to Phoscrete.
- ❑ **Bump and/or Angle Grinder with Diamond Grinding Discs:** Remove high spots after finish, and grind exposed corner to a 45° edge on headers prior to installing the joint seal. For large areas, use a walk behind bump grinder as soon as 30 minutes after initial set for smoothest rideability. Grinder can also be used for site preparation.

Site Preparation Items

- ❑ **Demolition Saw:** Use for demolition and to re-establish control joints.
- ❑ **Jackhammer or Chipping Gun with Demolition Bit:** Remove unsound/damaged material.
- ❑ **Phoscrete Needler (Needle Gun):** Scarify surface and remove loose scale, unsound concrete, and remove all asphalt and petroleum-based materials.
- ❑ **Propane/Butane Torch (Grass Burner):** Remove moisture from damp surfaces. Burn off surface oils. Phoscrete bonds best to dry, clean, sound substrates.
- ❑ **Air Compressor, Hose, or Blower:** Remove dust and debris from prepared repair site. Sandblasting is optional.
- ❑ **Polystyrene Foam Board:** Establish control and expansion joint spacing. For headers when finishing both sides at once, better to use two thinner pieces and fill the gap with some cardboard in-between to desired opening for easiest removal after pour.

Phoscrete Technical Support

Visit our website for the latest installation guides and technical data.

Contact Phoscrete installation support anytime for guidance for your concrete repair projects:

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URLs for Referenced Hyperlinks in this Document

This document is published at phoscrete.com where you can click on the referenced hyperlinks in the document. If you have a printed version, full URLs are end-noted below.

Refer to the latest published Phoscrete Technical and Safety Data Guides Phoscrete Quick Start Guides, Full Installation Guides, Best Practices, and Videos: <https://www.phoscrete.com/technical/>

ⁱ <https://www.phoscrete.com/phoscrete-activator-safe-disposal/>

<https://www.phoscrete.com/phoscrete-quick-start-installation-guide-admixture-chart/>

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[Personal Protective Equipment \(Video\)](#)