



## Phoscrete VO Kit (Bags & Jugs) Installation Checklist

Phoscrete VO is a fast-setting, easy to use concrete repair material that delivers long-lasting repairs with rapid return to service. Phoscrete VO is primarily used hand-packed, trowel-applied vertical and overhead repairs.

### Shelf Life

When components are properly stored, **shelf life of Phoscrete Dry Mix is two [2] years.** **Shelf life of Phoscrete Liquid Activator is one [1] year.** Store Dry Mix indoors, in low humidity. Store Liquid Activator indoors and minimize temperature swings.

**Lot numbers** are printed on every bag of dry mix and every box that holds 4 jugs of activator, so be sure to check the lot numbers before installing, and before discarding the box that holds the jugs. Here is how to decode a Phoscrete batch number:

#### Dry Mix Bags: [YDDDBB]

First digit is the year, followed by day of year (3 digits). The last 2 digits are the batch number. For example: "101201" the dry mix was bagged on Jan. 12, 2021 (batch 01).

#### Liquid Activator Jugs (boxes): [6YDDDTTPP]

First digit (6) indicates Activator, second digit is year, followed by the day of year (3 digits) then the last 4 digits are the tank and pallet, respectively. For example: "610110403" activator was jugged on Jan. 11, 2021 (tank 04, pallet 03).

**Phoscrete VO mixes 2 BAGS of Dry Mix into 1 JUG of Liquid Activator (Always pour Liquid first).**

*Phoscrete provides a measuring beaker for mixing with one bag of VO with ½ jug of Activator.*

**NEVER MIX PHOSCRETE WITH WATER!**

### Safety and Personal Protection Equipment

Phoscrete VO Dry Mix contains magnesium, calcined aluminosilicates, and rigid fibers. Phoscrete Liquid Activator is a low-odor mono-aluminum phosphoric acid solution. When mixing, placing, and finishing Phoscrete, wear:

- Particle filtration mask
- Nitrile-coated gloves
- Eye protection
- Have both water and an eye wash kit on site.



### 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.
- ❑ *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.
- ❑ *Steel Trowel*: Trowel toward the edges for best bond.
- ❑ *Stucco Sponge*: Lightly dampen with water for smooth and feather finish.

### Site Preparation Items

- ❑ *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.



Visit [www.phoscrete.com](http://www.phoscrete.com) for complete installation documents and videos.

**Your Phoscrete Representative is available 24/7 if you have questions or concerns.**