

POST HOLE ADDITIVE

Additive Information

This information is provided as a guide for producing finished products.

Product Description

PHA is a dry powdered blend of proprietary ingredients formulated to produce a rapid setting concrete mix. **PHA** is formulated to continue to develop strength to support fence posts quickly. **PHA** can be poured dry and then add the water.

PHA Features

- Rapid strength development
- Great workability/pourability
- Excellent water retention
- Decreased water to cement ratio

Dosage

Dosage rates are from between 2% to 10% on finished product weight. Results will vary with cement/sand ratios and types in a formulation design. Our technical department is available to help with formulation dosage rates

Packaging

PHA is packaged in 65 lb. multiwall moisture resistant bags; 45 bags per stretch wrapped pallet.

Finished Product Information

This information is provided as a guideline for a technical data sheet.

Surface Preparation

Dig posthole so diameter of the hole is 3 times the width of the post and the depth of the hole should be 1/3-1/2 the post height above ground.

Mixing

Add 3.25 – 4 quarts of potable water per 80lb. bag. Mix thoroughly in a bucket with a mixing tool or in a mortar mixer for 2 – 3 minutes. When placing dry, add appropriate amount of water to the hole, mix in the powder and set the post.

Placement

Add 6 inches of gravel to the bottom of the hole and compact. Brace the post into place using brackets. Pour the mix into the hole and add the appropriate amount of water to the mix. For best results, do not use where temperature is below 40° F. Do not apply to active water leaks. Use **PHA** to stop active leaks.

Storage

PHA is moisture sensitive. Unopened bags should remain good up to one year when stored according to ACI guidelines. Unopened buckets should remain usable for up to 2 years. Product remains best when kept in a cool place.

**Complete finished product information can be provided upon request.*

Post Hole Additive Mix Design

Portland Cement	25%	Water Required:	8%
Gravel 3/8" (ASTM C-33)	35%		
Concrete Sand	30%	Initial Set Time:	10 Min
PHA	10%	Final Set Time:	30 Min

Post Hole Additive Mix Design

Portland Cement	21%	Water Required:	10%
Gravel 3/8" (ASTM C-33)	38%		
Concrete Sand	38%	Initial Set Time:	60 Min
PHA	2%	Final Set Time:	90 Min

* All World Blended Admixtures are tested with ASTM C150/C150M Portland type I/II, C33 Aggregate and concrete sand.

CAUTION

Use of this product may be hazardous to your health. This product contains Portland cement and Silica sand. Prolonged inhalation may cause delayed lung injury including silicosis and possibly cancer. Avoid direct contact with skin and eyes: in case of contact, flush with plenty of water for at least 15 minutes. Contact a physician. Wash exposed skin areas promptly with water. Do not take internally. Keep out of reach of children. Please consult SDS prior to use.

Health	1
Fire	0
Reactivity	0
Personal Protection	E



Health and Safety

For further details, see the [PHA Safety Data Sheet](#).

WORLDLENDEDADDITIVES.COM

North Carolina Facility
122 NC Highway 73 East, Ellerbe NC 28338
Phone: 910-719-3700 Fax: 910-652-0357

Pennsylvania Facility
458 S. Empire Street, Wilkes-Barre, PA 18702
Phone: 570-235-2310 Fax: 570-270-3847