

Polecrete® STABILIZER

FAST. STRONG. PORTABLE.

The Original Polyurethane Backfill Solution





Polecrete® Stabilizer is a rapid-setting alternative to traditional concrete and aggregate backfill for utility pole installation and remediation. Designed for demanding field conditions, it is supplied in compact, easy-to-transport units and requires minimal equipment to deploy. Once mixed and poured, it expands and cures quickly to deliver consistent structural support, helping crews complete work efficiently while improving safety and long-term asset reliability.

The problems with traditional backfill.

Conventional pole setting methods using concrete or aggregate often create logistical and operational challenges, including heavy material handling, greater equipment demands, and longer cure times that can slow job completion. Over the service life, aggregate can settle or wash out and leave voids that reduce stability, while neither method inherently protects the ground line, the most failure-prone zone for decay and structural deterioration.

Polecrete® Stabilizer addresses these limitations by expanding to fill voids, setting quickly, and providing durable, ground-line support with reduced material handling and fewer equipment requirements.

How it works.

Polecrete® Stabilizer is a two-part system that is mixed on site using a simple, controlled process. Once combined, the material is poured directly into the excavation around the pole, where it expands to fill voids and encapsulate the ground line. Within minutes, it sets into a rigid, closed-cell structure that resists moisture intrusion and soil movement.

MIX



POUR



SET



Polecrete® Stabilizer is a USDA Certified Biobased Product which contains 44% USDA certified biobased content. The USDA Certified Biobased Product label is a certification mark of the U.S. Department of Agriculture.



Why crews use it.

Set in 15 minutes and climb-ready in 30, **Polecrete® Stabilizer** helps crews complete work and move on without extended site occupation.

- ✓ Reduced lifting and manual handling
- ✓ Fewer open-hole hazards
- ✓ Minimal heavy equipment requirements
- ✓ Faster return to climb-ready conditions
- ✓ Less exposure time at the ground line
- ✓ Works year-round in any temperature

Built to last beyond the install.

Polecrete® Stabilizer is designed to support long-term pole performance by addressing the primary causes of structural failure at the ground line. Once cured, the rigid closed-cell structure maintains consistent load distribution and resists settling, washout, and soil movement over time.

By limiting moisture intrusion and reducing exposure to biological and environmental factors, Polecrete® Stabilizer helps slow decay and corrosion at the most vulnerable zone of the pole. This added protection can extend service life, reduce the frequency of remediation or replacement, and provide long-term stability that traditional aggregate and concrete backfill methods do not consistently deliver.

Applications and use cases.

STRUCTURAL	INFRASTRUCTURE & UTILITIES	COMMERCIAL & SPECIALTY
Decking	Utilities	Construction
Pole & Post Installation	Grid Modernization	Fencing
High Mast Lighting	Transportation	Renewable Energy
Signage		

Polecrete® Stabilizer is compatible with wood, steel, and composite posts and performs across all soil types.



Reliable performance in saturated soils.

HYDRO Polecrete® Stabilizer is designed for pole setting and stabilization in wet, saturated, or high groundwater conditions where traditional backfill methods are difficult to place or control. The formulation is engineered to displace water during installation, allowing it to expand, fill voids, and encapsulate the ground line without extensive dewatering or site preparation.

Once placed, HYDRO Polecrete® Stabilizer sets quickly into a rigid, closed-cell structure that resists washout, moisture intrusion, and soil movement. This provides reliable ground-line support and long-term stability in environments where aggregate can shift and concrete performance can be compromised.

Key advantages:

- ✓ Performs in saturated and water-filled excavations
- ✓ Repels groundwater during placement
- ✓ Resists washout and long-term soil movement
- ✓ Provides durable ground-line stabilization
- ✓ Reduces site preparation and crew exposure



Quickly determine the appropriate product type and quantity based on pole size, hole dimensions, and application requirements using our **Void Fill Calculator**.

How to use:



Place the poly bag in the excavation beneath the pole location.



Mix the two-part components in the mixing box using the provided mixing blade.



Pour the mixed material into the bag.



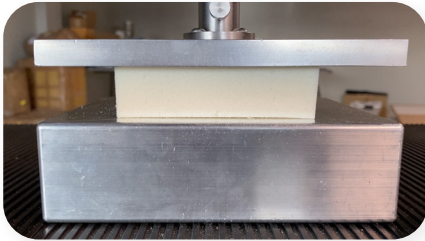
Lower the pole fully into position.



The material will continue to expand, filling voids and displacing water from the hole.

In comparison to other brands.

HYDRO Polecrete® Stabilizer is engineered for consistent performance in wet conditions, with finished foam properties designed to outperform many competitive foams in strength, density, water absorption, and percent closed cell. Compared to concrete and other brands, it places cleanly in water-impacted holes, displaces water during installation, and cures quickly into a rigid, moisture-resistant material.



Compressive Strength - ASTM D1621

Competitor X	35 psi
Competitor Y	78 psi
Hydro Polecrete® Stabilizer	86 psi



Tensile Strength - ASTM D1623

Competitor X	46 psi
Competitor Y	77 psi
Hydro Polecrete® Stabilizer	>125 psi (machine maxed out)



Density - ASTM D1622

Competitor X	4.12 pcf
Competitor Y	4.84 pcf
Hydro Polecrete® Stabilizer	4.38 pcf



Water Absorption - ASTM D2127

Competitor X	1.16%
Competitor Y	3.56%
Hydro Polecrete® Stabilizer	0.73%



% Closed Cell

Competitor X	>95%
Competitor Y	<10%
Hydro Polecrete® Stabilizer	>95%

Result - HYDRO Polecrete® Stabilizer has a higher hydrophobicity rating than the competition.

Reliable manufacturing with consistent supply.

Polecrete® Stabilizer products are manufactured through a controlled, high-capacity production process designed to ensure consistent performance and reliable supply. The production line is engineered to support scalable output and meet the demands of both regional utilities and large national programs without compromising quality.

All products are made in the USA and comply with Build America, Buy America requirements where applicable. Rigorous quality control measures are applied throughout the manufacturing process, including raw material verification, batch consistency checks, and performance validation, ensuring each unit meets defined specifications and delivers predictable results in the field.



Severe weather and emergency restoration.

When severe weather events disrupt infrastructure and accelerate restoration timelines, **Polecrete® Stabilizer** provides a reliable solution for rapid response and emergency repair.

The fast-setting, field-ready system allows crews to stabilize compromised poles, reset displaced foundations, and reinforce existing structures without extended cure times or heavy equipment. Designed to perform in a wide range of environmental conditions, including cold temperatures, saturated soils, and unstable ground, Polecrete® Stabilizer supports faster restoration, safer worksites, and dependable pole performance when utilities are under the greatest operational pressure.

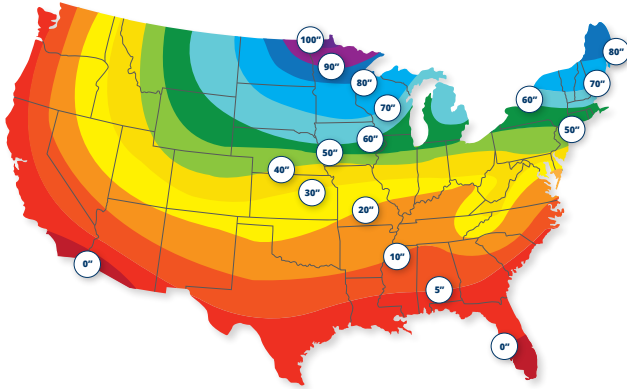
Stronger foundations for the modern grid.

Utility companies are modernizing the grid while managing aging poles, rapid expansion, and rising load demand. More pole changeouts, reinforcement, and storm restoration work is happening under tighter timelines and resource constraints, often in remote terrain where access and logistics add cost and complexity.

Polecrete® Stabilizer supports these conditions with a rapid-install, field-proven foundation solution that strengthens pole performance, delivers consistent results, and is built to handle higher loads as grid requirements evolve.

Severe frost depths in the U.S.

The frost line (or freeze line) is the depth at which groundwater in soil freezes during the coldest time of year, an important consideration for foundations, footings, and underground utilities.



Approved alternative for deck footings.



Compatible with all post types



Expands and compacts with all types of soil



Locks in place to create greater uplift resistance



Works year-round in any temperature



Prevents ground line wood pole decay

SKU selection by hole diameter.

10 in. Diameter Hole

	2 ft. depth	3 ft. depth	4 ft. depth	5 ft. depth
4"x4" Post	P000990	P000990	P000990	P000990
4"x6" Post	P000990	P000990	P000990	P000990
6"x6" Post	P000990	P000990	P000990	P000990

12 in. Diameter Hole

	2 ft. depth	3 ft. depth	4 ft. depth	5 ft. depth
4"x4" Post	P000990	P000990	P000990	P000990
4"x6" Post	P000990	P000990	P000990	P000990
6"x6" Post	P000990	P000990	P000990	P000993

14 in. Diameter Hole

	2 ft. depth	3 ft. depth	4 ft. depth	5 ft. depth
4"x4" Post	P000990	P000990	P000993	P000996
4"x6" Post	P000990	P000990	P000990	P000993
6"x6" Post	P000990	P000990	P000990	P000993

16 in. Diameter Hole

	2 ft. depth	3 ft. depth	4 ft. depth	5 ft. depth
4"x4" Post	P000990	P000993	P000993	P000996
4"x6" Post	P000990	P000990	P000993	P000996
6"x6" Post	P000990	P000990	P000993	P000996



Consistent results across regions.

Standardize foundation practices across pole changeout, reinforcement, and restoration programs with a single, spec-ready stabilizer that reduces variation between crews, districts, and contractors. **Polecrete® Stabilizer** simplifies material selection and ordering, supports uniform training and installation practices, and enables consistent execution across large service territories.

Faster installation, reliable performance.

Rapid set performance delivers a faster, more consistent foundation without heavy hauling or multiple compaction steps required by conventional backfill. Field tested in remote and demanding conditions, including extreme temperatures and saturated ground, **Polecrete® Stabilizer** strengthens the foundation and supports stable pole performance under higher operational loads.



Quickly determine the appropriate product type and quantity based on pole size, hole dimensions, and application requirements using our **Void Fill Calculator**.



Polyurethane foam backfill for the utility industry.



Designed for wet holes and saturated conditions.



Repairs damaged utility poles.



Levels concrete pads.



Post setting expanding foam.



polecretestabilizer.com | 314.344.3330