OsmoSet® High-Density Foam

Pole Setting & Straightening Foam

Pole foam offers many benefits over soil, including greater compressive strength and is especially useful for:

- Rocky soil and dynamited or drilled pole sets that may not produce sufficient backfill material.
- Sandy or sandy loam soils with low compressive strength.
- Pole sets with limited accessibility where transporting fill dirt is not feasible.

OsmoSet is a high-density, polyurethane, water-blown foam designed for setting and straightening distribution and transmission poles. Because OsmoSet completely encapsulates the pole, it greatly reduces preservative leaching and soil contact. It contains no CFCs (chlorofluorocarbons) or HFCs (hydrofluorocarbons), making it safer for both the applicator and the surrounding environment.

Benefits of OsmoSet Foam

Added Strength and Safety. Most soils in the U.S. have a compressive strength of approximately 28 psi. OsmoSet foam – with a density of 5 lbs/ft^3 – has a compressive strength of over 100 psi, providing an increased safety factor over the surrounding natural soil of nearly 4:1.

Labor Efficiency. Using foam is less labor intensive than backfilling with soil. There is also no need for tamping, which reduces back strain and injuries.

Reduced Environmental Impact. OsmoSet eliminates the need to transport backfill material to the job site and reduces the potential leaching of preservation from the pole to the surrounding soil. The hydrocarbon footprint is also a benefit.

Reduced Costs. OsmoSet expands at a ratio of 18:1 – 20% more than other foams, which means less product is required to fill the space.

Ease of Storage and Transport. The patented package design of OsmoSet includes Part A and B mixtures in D-shaped containers that conveniently fit with a mixer inside the mixing pail. This efficient design reduces freight and shipping costs, and makes the product easy to transport and store at the job site.

OsmoSet Installation

Step 1: Pour

Step 2: Mix

Step 3: Fill

Step 4: Set

Foam Comparison

	Competitive Products	OsmoSet Foam
Ease of Use		
Ease of Lid Application and Removal		✓
Conveniently Packaged		✓
Cost Effectiveness		
Expansion Ratio	15:1	18:1
Freight, Handling, and Storage Efficiency		✓
Strength		
Compressive Strength (5 lbs/ft^3)	75 psi	103 psi
Tensile Strength	64-100 psi	130 psi
Environmental Safety		
No CFCs	✓	✓
No HFCs	✓	✓
Reduced Hydrocarbon Footprint		✓

Packaging

Product Kit	Foam Yield*	Weight per Kit	Kits per Pallet	Part Number
OS-2.5	2.5 ft^3	11 lbs	100	70-070-300-010
OS-5.0	5.0 ft^3	25 lbs	64	70-070-300-020
OS-6.0	6.0 ft^3	30 lbs	64	70-070-300-040
OS-7.5	7.5 ft^3	35 lbs	64	70-070-300-050
OS-10.0	10.0 ft^3	45 lbs	48	70-070-300-060
OS-12.5	12.5 ft^3	55 lbs	48	70-070-300-070

**At density of 64 kg/m3. established at 72o. Cold weather may not yield expansion to specifications.*

Each kit includes Part A and B mixtures, a high-speed mixer attachment, and mixing pail. For transformer pads, ask about OsmoSet Pad Leveling Foam – a pressurized, closed-cell, self-curing foam that delivers the strength and support needed to safely repair utility foundations.

For more information or to place an order, email products@osmose.com.