

Osmose®



OsmoSet® High-Density Foam

Pole Setting & Straightening Foam

Pole foam offers many benefits over soil, including greater compressive strength, but it is especially useful in:

- Rocky soil and dynamited or drilled pole sets that may not produce sufficient backfill material
- Sandy or sandy loam soils with low compressive strength
- Difficult-to-access pole sets 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. Since OsmoSet foam completely encapsulates the pole, it greatly reduces leaching and soil contamination. It contains no CFCs (chlorofluorocarbons) or HFCs (hydrofluorocarbons), making it safe for both the applicator and the surrounding environment.

BENEFITS OF OSMOSET

- ✓ **Added Strength and Safety** – Most soils in the U.S. have a compressive strength of approximately 28 PSI. Foam with a density of four pounds per cubic foot has a compressive strength of 70-80 PSI, providing an increased safety factor over the surrounding natural soil of nearly 3:1.
- ✓ **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** – Eliminates the need to transport backfill material to the job site, and reduces soil contamination from leaching of the original treatment. Reduced hydrocarbon footprint (compared to other foams).



- ✓ **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.
- ✓ **Easy to Store & Transport** – The patented package design of OsmoSet includes part A and part B mixtures in D-shaped containers that conveniently fit inside the mixing pail with a mixer. This efficient design reduces freight/shipping costs, and also makes the product easy to store and transport to the job site.

INSTALLATION



Step 1: Pour



Step 2: Mix



Step 3: Fill



Step 4: Set

FOAM COMPARISON

	Competitive Products	Osmose OsmoSet
EASE OF USE		
Easy on/off lid		✓
Conveniently packaged*		✓
COST EFFECTIVENESS		
Expansion ratio	15 : 1	18 : 1
Efficiently packaged (for reduced freight, storage & handling)		✓
STRENGTH		
Compressive Strength (4 lbs/ft³)	75 psi	76 psi
Tensile Strength	64-100 psi	130 psi
ENVIRONMENTAL		
No CFCs	✓	✓
No HFCs	✓	✓
Reduced hydrocarbon footprint		✓

PACKAGING

Product Kit	Foam Yield* (at density of 64 kg/m3)	Weight Per Kit	Kits/Pallet	Part Number
OS-2.5	2.5 ft³	11 lbs	100	70-070-300-010
OS-5.0	5.0 ft³	25 lbs	64	70-070-300-020
OS-6.0	6.0 ft³	30 lbs	64	70-070-300-040
OS-7.5	7.5 ft³	35 lbs	64	70-070-300-050
OS-10.0	10.0 ft³	45 lbs	48	70-070-300-060
OS-12.5	12.5 ft³	55 lbs	48	70-070-300-070

*Foam yield was established at 72°. Cold weather may not yield expansion to specifications.

Each kit includes Part A & Part B mixtures, a high-speed mixer, and a mixing pail. And 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:

CALL 770.632.6700 Opt. 3 | EMAIL products@osmose.com