

POLE SETTING FOAM

BACK FILL SYSTEM



Step 1:
MIX



- **Two-Part Polyurethane Foam**

- Low-Density, High-Strength
- Mixes in Seconds
- Ideal for Hydrovac Excavations
 - Replaces Dirt, Gravel & Concrete

- Excellent Adhesion to Wood (Including Treated), Metal & Fiberglass Poles
- Hydrophobic
- Expands 15x to Secure the Pole

- **Set Pole in Minutes**

- 50% Strength in 3 Minutes
- Eliminates the Need for Backfilling & Tamping
- Environmentally Friendly
- Encapsulates the Pole & Extends the Pole's Life

Step 2:
POUR



Step 3:
SET



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PROVEN PERFORMANCE



Broke: 4,900 lbs
(101% of design load)

The stress test resulted in a break of the 75' H3 Transmission Pole instead of the cured Foam.



Foam exceeded 10,000 lbs of pull force which was above the max. amount of the test equipment capacity.

MATERIAL PROPERTIES AT (77°F/25°C)		
Property	Value	Test Method
Color		Visual
Part A - Iso	Brown Liquid	
Part B - Polyol	Red Amber Liquid	
Mixed	Light Brown Foam	
Working Life		
Rise Time	2 Minutes	ASTM D2237
Gel Time	2.5 Minutes - 3 Minutes	ASTM D2471
Tack Free Time	5.0 Minutes	
Full Cure Time	12 Hours	
Drastic Temperature Change Bonded	Little Chance of Cracking	
Performance (cured)		
Density	5.5 - 6.0 lbs/ft ³	ASTM D1622
Compressive Strength (psi)	75 Minimum	ASTM D1621
Porosity	>90% Closed-Cells	ASTM D2856
Water Absorption	0.02%	ASTM D2842
Shear Strength (psi)	42 Minimum	ASTM D732
Tensile Strength (psi)	64 Minimum	ASTM D1623
Cohesive Shear (dry)	22.9 psi	ASTM D3080
Cohesive Shear (wet)	20.9 psi	ASTM D3080
Chemical Resistance		ASTM D543
Water	Excellent	
Salt Water	Excellent	
Sulfuric Acid 20%	Excellent	
Gasoline	Excellent	
Diesel Fuel	Excellent	
Hydrochloric Acid 20%	Excellent	
Ammonium Hydroxide 10%	Good	
Sodium Hydroxide, Concentrate	Good	
Fungus	Excellent	

RTC# - Approx. Yield

79701 - 1 cubic foot
79702 - 2 cubic feet
79703 - 3 cubic feet
79703T - 3 cubic feet w/ Tag
79705 - 5 cubic feet
79706 - 6 cubic feet
79707 - 7 cubic feet
79709 - 9 cubic feet
79710 - 10 cubic feet

Kits Include:

Bucket
Part A - Iso (bag)
Part B - Polyol (bag)
Mixer

Application instructions are located on the bucket label.

Custom packaging is also available to meet your specific needs.

Pole Setting Foam can be used when soil temperatures are as low as -5°F (-20°C) or as high as 95°F (35°C) as long as the Pole Setting Foam Kit is conditioned to room temperature (68°F / 20°C) for 2 hours prior to use.

For more details, consult your Rainbow Technology representative at **1-800-637-6047**.

This product is only for sale to and use by service personnel. SDS available at www.rainbowtech.net.

