

PRODUCT:

POLE SETTING FOAM

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79701

79702

79703

79705

79706

79707

79709

THE BASICS:

- POLE SETTING FOAM saves money and increases efficiency. It replaces traditional methods of backfilling distribution poles, transmission poles, and decorative street lighting during installation.
- POLE SETTING FOAM is a hydrophobic two-part polyurethane foam that expands to fill the peripheral void between a utility pole and the hole. It forms a low-density, high-strength foam that can structurally support the pole and maintain its upright positioning. POLE SETTING FOAM also serves as a redundant environmental barrier between the pole material and its surroundings.
- POLE SETTING FOAM displays excellent adhesion to most pole materials, including wood poles treated with pentachlorophenol, CCA, ACA, etc. and without the use of primers. After mixing, it foams immediately and reaches 50% of full strength in approximately 3 minutes and 80% within 60 minutes. Once poured, the POLE SETTING FOAM expands approximately 15 times its original volume and sets the pole in 3 minutes creating a proven solid foundation material. It removes the need to backfill by traditional methods and the "tamping" associated with it.
- POLE SETTING FOAM significantly reduces labor requirements as no backfilling is required and hardware can be strung after 15 minutes.
- Because POLE SETTING FOAM is hydrophobic, its physical properties will not be affected by wet soil or small amount of standing water in the hole; however, we recommend the standing water does not exceed 2" with the structure in the hole.

FEATURES:

Fast-setting high-quality foam

- Expanding foam fills in all voids
- Environmentally friendly - does NOT contain CFC's
- Excellent adhesion on all pole types; wood, concrete, fiberglass, steel, and decorative street lighting
- Hydrophobic - insensitive to water

APPLICATIONS:

Use POLE SETTING FOAM for:

- New poles - transmission and distribution
- Leaning poles
- Street lighting poles
- Dusk to dawn light poles
- Gate and fence post
- Highway DOT sign post
- Pad leveling



FEATURES	HOW YOU BENEFIT
Provides an environmental barrier between the pole and the soil	Helps prevent ground line decay
Superior to stone in resistance to overturning and equal to crushed stone against uplift	Eliminates the need to transport heavy rock and stone backfill
Hardens quickly (10 - 15 minutes) with compressive strengths three to four times that of tamped soil	Poles are set faster, thus restoring service to the customer quicker and with added strength

RAINBOW

TECHNICAL HIGHLIGHTS:

MATERIAL PROPERTIES AT (77°F/25°C)		
Property	Value	Test Method
Color		Visual
Part A	Light Brown	
Part B	Dark Brown	
Mixed	Yellow	
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	

2-year shelf life.

WORKING TEMPERATURE:

Pole Foam can be used when temperatures are as low as -40°F (-40°C) or as high as 86°F (30°C) as long as the Pole 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.

SAFETY DATA SHEET:

This product is only for sale to and use by service personnel. SDS available on request.

PACKAGING:

PRODUCT NUMBER	APPROXIMATE YIELD
79701	1 cubic feet
79702	2 cubic feet
79703	3 cubic feet
79705	5 cubic feet
79706	6 cubic feet
79707	7 cubic feet
79709	9 cubic feet

POLE SETTING FOAM kits include; Part A (container), Part B (container), gloves or mixing stick (dependant on the container size), and application instructions are located on the container label. Custom packaging is also available to meet your specific needs.

ANSWERS TO YOUR QUESTIONS:

Do you have a question about any Rainbow Technology product? Because we've been supplying the utility and telecommunications industries since 1971, our technical support team has the expertise to provide answers and solutions. Just call us at **1.800.637.6047**.

RAINBOW TECHNOLOGY
Specialists in Utility Chemicals

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