



Atlas Minerals & Chemicals, Inc.



DATA SHEET

PI-008 (8-00)
Supersedes PI-008 (3-90)

ANCHOR-LOK™ POLE WRAP

DESCRIPTION AND USES

Wood utility poles that weep or leak pole treatment products, commonly referred to as “bleeders”, are covered with a containment shield of ANCHOR-LOK Pole Wrap.

Wood utility poles are treated with a variety of wood preservation systems prior to installation. After installation these products occasionally migrate toward the lower section of the pole causing it to bleed. When this happens leakage from the pole may appear on the wood surface or on paving adjacent to the pole. The result is an unsightly appearance. Pedestrians may have their clothing soiled when they inadvertently contact the pole. Treatment products that run across paving are tracked by traffic, either foot or wheeled, from the immediate pole area to other locations.

A pole with its lower portion covered with ANCHOR-LOK Pole Wrap contains leakage to the immediate area adjacent to the pole, where it continues to contribute to pole protection at the groundline. Pole wrap protects the pedestrian from surface contact. Tracking on the pavement is eliminated.

PREPARATION

The tools and materials needed to install ANCHOR-LOK Pole Wrap are:

- Hardened, large head aluminum nails. The length is dependent on pole size, condition of the wood and type of nail shank. 1-1/2 (40 mm), 1-3/4" (45 mm) and 2" 50 mm) long nails should be tried prior to making a final installation to determine which has maximum effectiveness.
- Hammer
- Sharp utility knife.
- Straight Edge to use as a guide for the knife when cutting the ANCHOR-LOK.
- Rope
- Tools to excavate 1" (25 mm) to 4 (100 mm) adjacent to the pole.
- When pavement abuts the pole a small pneumatic or electric paving breaker may be needed.
- Power Drill with 1/8" (3 mm) drill bit for pilot holes.
- Wood chisel

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Water Resistance		Good UV Resistance
Temperature Range as Pole Wrap		Approx. 176°F (80°C) to -40°F (-40°C)
Water Absorption	ASTM D570	< 0.01%
Chemical Resistance		Good
Finish		Smooth
Color		Black
Tensile Strength @ Yield	ASTM D638	3,700 psi.
Ultimate Elongation		660%
Notch Impact Strength (ft. lb. / in. of notch)	ASTM D256	6.46
Shore-D Hardness		66
Heat Distortion, °F (°C) @ 66 psi. (455 kPa)	ASTM D648	156 psi. (69 kPa)
Heat Distortion, °F (°C) @ 264 psi. (1,820 kPa)	ASTM D648	131 psi. (55 kPa)
Linear Coefficient (in. / in. / °F (in. / in. / °C))	ASTM D696	6.9 x 10 ⁻⁵ (12.4 x 10 ⁻⁵)
Volume Resistivity, ohm-cm		> 10 ¹⁵

APPLICATION

Open a slot in the ground or paving around the pole about 1" (25 mm) wide. The edge of the ANCHOR-LOK Shield will be inserted into the slot when mounted on the pole.

Cut one narrow strip of ANCHOR-LOK, including a row of studs, 59" (1.5 m) long from the end of the roll. Use this to measure the pole circumference by wrapping it once around the pole and marking it to allow for an overlap of approximately 5" (125 mm). Unroll the ANCHOR-LOK pole wrap and lay it flat. Measure from one end, using the above marker strip, and scribe guide marks for the straight edge. Cut the required amount of sheet from the roll using the utility knife. When measuring with a rule, add 11" (280 mm) to the pole circumference to allow for overlap and the actual circumference of the ANCHOR-LOK. This is based on the diameter of ANCHOR-LOK Pole Wrap, when installed being 1-1/2" (40 mm) to 2" (50 mm) larger than the pole diameter.

Wrap the ANCHOR-LOK Pole Shield around the pole.

Remove the last row of studs at the edge if there is interference at the overlap. Studs are removed by placing a sharp wood chisel flat on the sheet adjacent to the stud mounting. Several strikes of the hammer on the chisel may be needed for each stud to cut it loose from the sheet.

Wrap the ANCHOR-LOK Pole Shield around the pole, inserting the lower edge into the previously prepared slot in the surface around the pole. Tie two ropes, one approximately 18" (500 mm) from the top and the other approximately 18" (500 mm) from the bottom around the pole shield to hold it firmly in place. Drill pilot holes at 3-1/2" to 5" (90 mm to 125 mm) intervals through the overlapping portion about 1" (25 mm) from the exposed edge. A second row of nails may be used about 4" (100 mm) from the edge. These may be spaced at a larger interval of approximately 10" (250 mm) apart.

Nail using 1-1/2" (40 mm) or longer, hardened long head aluminum nails, or equivalent corrosion resistant fastener, to hold in place.

CLEANING

Soil may be readily removed from ANCHOR-LOK Pole Shields by washing with water and wash cloths. Soap or detergents may be used as required. ANCHOR-LOK is resistant to the occasional use of more aggressive cleaning products.

PACKAGING

ANCHOR-LOK Pole Wrap is supplied in rolls 59" (1.5 m) wide and 32' 9" (10 m) long. Its nominal thickness is 1/8" (3 mm). The shipping weight is 129 lbs. (58.5 kg.) per roll. ATLAS can fabricate to required size when more than 59" (1.5 m) width is needed, or pre-cut lengths are needed.

STORAGE

ANCHOR-LOK may be stored indoors. When stored outdoors, weather protection may be desirable to keep the material clean.

TECHNICAL SERVICE

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of any difficulties on any job with the use of ATLAS materials, the job should be stopped immediately and the ATLAS Sales/Engineering Department consulted for assistance. ANCHOR-LOK can be fabricated in a variety of sizes.

PRECAUTIONS

ANCHOR-LOK, like the wood pole it protects, is flammable. Protect it from impingement of any form of open flame, or glowing hot materials such as welding cutoff.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS), AND ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**