

Tape, Corrosion Protection



1. Scope

This standard covers the requirements for all-weather, corrosion protection tape. This product is commonly known as pipe wrap tape.

This standard applies to Seattle City Light stock number 736730.

2. Application

Corrosion protection tape is a tough, polyvinyl chloride based tape with special high tack adhesives formulated to resist corrosion of metal piping systems above and below ground.

Corrosion protection tape is:

- Resistant to corrosive salt water, soil acids, alkalis and salts, common chemicals, chemical vapors, and exposure to outdoor weathering and sunlight.
- Resistant to impact, abrasions, punctures, and tears.

Surfaces to be wrapped should be clean, dry and free of oil, grease, and other contaminants. Blast removal of rust and scale is preferred. Welding slag and spatter, sharp edges or burrs should be chipped, grinded or filed.

3M recommends coating the pipe or other metal surfaces with their non-sag, rubber-based primer before wrapping to enhance adhesion.

Corrosion protection tape is printed with "Pipe Wrap", "Scotchrap"®, or other similar words to ensure the product is not confused in the field with electrical tape.

Handwritten signature of John Shipek in black ink.

Handwritten signature of John Shipek in black ink.

Handwritten signature of Darnell Cola in black ink.

3. Properties (nominal)

Federal Classification Specification	L-T-1512A, Type III
Adhesive material	High-tack, pressure sensitive rubber
Backing material	Polyvinyl chloride (PVC)
Material thickness	10 mil
Color	
Backing	black
Adhesive	black
Temperature, range	
Application	-12° C (10° F) to 65° C (150° F)
Normal Service	-48° C (-55° F) to 80° C (175° F)
Breaking strength	20 lb/in (of width)
Core diameter	1-1/2 in
Shelf life (inside storage)	5 years from the date of manufacture

Tape shall be printed along its entire length with "Pipe Wrap", "Scotchrap"®, or other similar words to ensure the product is not confused in the field with electrical tape.

4. Testing

Test data that confirms the properties cited in the manufacturer's literature and this material standard shall be provided upon request.

5. Packaging

Tape shall be packaged to prevent damage during shipping, storage, and casual handling prior to use.

Each roll of tape shall be legibly marked with the following information:

- Manufacturer's name
- Product number
- Product description

Number of rolls of tape per case shall be according to Section 7.

Each shipping container shall be marked with Seattle City Light's Purchase Order Number.

6. Issuance

RL

7. Approved Manufacturers

Stock Number	736730
Description:	corrosion protection tape, 2 in x 100 ft roll
Manufacturer	3M
Product:	50 Printed
UPC:	054007-00013
Case Quality:	24 rolls
Manufacturer	Plymouth (formerly Bishop)
Product:	Plywrap ® 11
ID:	4611
Case Quality:	24 rolls

8. References

SCL 7367.3 (canceled); Tape, Pipe Wrap, Plastic

Shipek, John; Standards engineer and originator of 7366.35.

3M Scotchrap ® Tape 50, 51 & Pipe Primer, 3M Scotchfil ® Electrical Insulation Putty, Data Sheet, May 2013, 78-8129-9283-8 Rev C

3M Electrical Products catalog, 80-6016-0382-4, 2011

www.3m.com/electrical

Plymouth Electrical & Utility Products online catalog, undated, downloaded June 10, 2013

www.plymouthrubber.com/catalogo.php