

PIPE WRAP COVERAGE

Spiral Wrap

Lineal Feet of Pipe Coated per Roll

| Nominal Pipe Size | 2" Wide Tape | | 4" Wide Tape | | 6" Wide Tape | | 8" Wide Tape | |
|----------------------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap |
| 1/2" | 28.44 | 18.94 | | | | | | |
| 3/4" | 22.71 | 15.15 | | | | | | |
| 1" | 18.08 | 12.04 | | | | | | |
| 1 1/4" | 14.37 | 9.58 | 33.53 | 19.16 | | | | |
| 1 1/2" | 12.57 | 8.38 | 29.34 | 16.77 | | | | |
| 2" | | | 23.41 | 13.38 | | | | |
| 2 1/2" | | | 19.33 | 11.05 | | | | |
| 3" | | | 15.92 | 9.10 | | | | |
| 4" | | | 12.38 | 7.07 | 19.45 | 10.61 | | |
| 5" | | | 10.00 | 5.71 | 15.71 | 8.57 | | |
| 6" | | | 8.40 | 4.80 | 13.20 | 7.20 | | |
| 8" | | | 6.45 | 3.69 | 10.15 | 5.53 | 13.84 | 7.38 |
| 10" | | | 5.18 | 2.96 | 8.14 | 4.44 | 11.11 | 5.92 |
| 12" | | | 4.37 | 2.50 | 6.86 | 3.74 | 9.36 | 5.00 |

Cigarette Wrap

Lineal Feet of Pipe Coated per Roll

| Nominal Pipe Size | 12" Wide Tape | | 18" Wide Tape | | 24" Wide Tape | | 30" Wide Tape | |
|----------------------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|
| | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap | 1/2 Lap | 50% Lap |
| 8" | 20.12 | 10.06 | 30.18 | 15.09 | 40.24 | 20.12 | 50.30 | 25.15 |
| 10" | 16.16 | 8.08 | 24.23 | 12.12 | 32.31 | 16.16 | 40.39 | 20.19 |
| 12" | 13.62 | 6.81 | 20.42 | 10.22 | 27.23 | 13.62 | 34.04 | 17.03 |
| 14" | 12.40 | 6.20 | 18.60 | 9.30 | 24.80 | 12.40 | 31.00 | 15.50 |
| 16" | 10.85 | 5.42 | 16.28 | 8.13 | 21.70 | 10.85 | 27.13 | 13.56 |
| 18" | 9.65 | 4.83 | 14.48 | 7.24 | 19.31 | 9.65 | 24.13 | 12.07 |
| 20" | 8.68 | 4.34 | 13.02 | 6.51 | 17.36 | 8.68 | 21.70 | 10.85 |
| 22" | 7.89 | 3.94 | 11.83 | 5.91 | 15.77 | 7.89 | 19.72 | 9.86 |
| 24" | 7.28 | 3.64 | 10.92 | 5.46 | 14.56 | 7.28 | 18.20 | 9.10 |
| 26" | 6.68 | 3.34 | 10.01 | 5.01 | 13.35 | 6.68 | 16.69 | 8.34 |
| 30" | 5.79 | 2.89 | 8.68 | 4.34 | 11.57 | 5.79 | 14.47 | 7.23 |
| 34" | 5.11 | 2.55 | 7.66 | 3.83 | 10.21 | 5.11 | 12.77 | 6.38 |
| 36" | 4.82 | 2.41 | 7.23 | 3.62 | 9.64 | 4.82 | 12.05 | 6.03 |

On pipe sizes 10" through 36", "Cigarette Wrap" application is recommended. Quantities shown allow 10% additional material for side and top overlaps.



PROTECTO WRAP COMPANY
1955 South Cherokee Street, Denver, CO 80223
(800) 759-9727 • www.ProtectoWrap.com



P320-300 (9-20)



SINCE 1952

PREMIUM PIPELINE PRODUCTS THAT PROTECT

320-35

BUTYL™

COLD APPLIED

TAPE

Multi-Temperature
High Strength
Corrosion Protection
Pipe Wrap
Specially Formulated for
Extreme Cold Weather





SINCE 1952

320-35 BUTYL™ COLD APPLIED TAPE

- Cold Application
- High Conformability
- Excellent Chemical Stability
- Exceptional Mechanical Strength
- High Dielectric Strength
- Excellent Cathodic Disbondment Resistance
- Self Healing Properties
- Rapid Overlap Bond



Since 1952, Protecto Wrap Company has been manufacturing the highest quality pipe wrapping tapes available on the market. **Proven with Science, Preferred by the Pros!**

PRODUCT DESCRIPTION

Protecto Wrap 320-35 Butyl™ pipe wrap is designed for pipelines and girthwelds for wrapping steel gas and oil pipe joints and pipelines providing exceptional cathodic protection. The superior corrosion resistance of our butyl adhesive combined with a tough white TPO facer provides exceptional corrosion resistance where required.

ADVANTAGES

- 320-35 proprietary butyl adhesive was developed for the harsh conditions of the Alaskan Pipeline in the 1970's. Our tape can be applied down to -10°F and has excellent high temperature resistance to 300°F.
- The facer offers excellent conformability to irregular surfaces and has high puncture resistance to rough back fill materials.
- Has an excellent resistance to water and vapor transmission.
- Can be used for sealing concrete joints in man holes and sewer lines.
- Adheres to steel, cast iron, PVC, epoxy coatings, concrete and most any surface through the primer coat.
- The elastomeric properties of the 320-35 accommodate expansion and contraction of the substrate and in-service pipelines.
- Provides uniform factory controlled thickness compared to field applied liquid coatings.

PACKAGING

| Width | Roll Length | Rolls per Carton | Weight per Carton | Squares per Carton |
|-------|-------------|------------------|-------------------|--------------------|
| 2" | 50' | 24 | 52 lbs. | 2 |
| 4" | 50' | 12 | 52 lbs. | 2 |
| 6" | 50' | 8 | 52 lbs. | 2 |
| 9" | 50' | 4 | 41 lbs. | 1.5 |
| 12" | 50' | 4 | 52 lbs. | 2 |

TECHNICAL DATA

| PROPERTIES | TEST METHOD | TEST RESULTS (English/Metric) |
|-----------------------------|---------------|---|
| Color | | White |
| Thickness | | 35 mil/0.89 mm |
| Tensile Strength | ASTM-D-882 | 200 psi/90.71 kg |
| Elongation | ASTM-D-882 | 300% |
| Moisture Vapor Transmission | ASTM-E-96B | 0.4 (grains/H x ft²)/ 0.2 (grains/H x M²) |
| Puncture Resistance | ASTM-E-154 | 50 psi/344 kPa |
| Burst Strength | ASTM-D-751 | Good |
| Cathodic Disbondment | ASTM-G8-96 | Pass |
| Dielectric Strength | ASTM-D-149 | 1 Thickness > 15,000 volts |
| Adhesion to Primed Surface | ASTM-D-1000-A | Excellent |
| Adhesion to Polyethylene | ASTM-D-1000-A | Good |
| Impact Resistance | ASTM-G-14 | |
| Volume Resistivity | ASTM-D-257-14 | Good |
| Softening Point | ASTM-D-903 | 250°F Minimum/121°C |
| Installation Temperature | | -10°F to 120°F/-23 to 48.9°C |
| In-Service Temperature | | -45°F to 300°F/-42 to 149°C |
| Warranty | | 10 Years |

APPLICATION PROCEDURE

1. Apply Protecto Wrap G Primer or Universal Water Based Primer to the cleaned surface with a paint brush or roller. Allow primer to dry to a tacky but not wet state. Do not cover wet primer.
2. Remove the release liner from the tape for 6" and begin wrapping the pipe. Tension should be pulled on the tape during installation, smoothing the tape as it comes into contact with the primed pipe. When using spiral applications make sure overlap is a minimum of 2". With cigarette wrapping end lap should be a minimum of 4".
3. Remove and discard the backing separator from the tape as you wrap.
4. Firmly press overlap seams to insure a firm contact and bond.

CAUTION

Protecto Wrap Company recommends the use of safety glasses and gloves.

LIMITED WARRANTY

This product is covered by the Protecto Wrap Standard 10 year Limited Product Warranty.