



Protecto Wrap[®]

200 & 200GT Cold Applied Pipe Tape

**High Density
High Strength
Corrosion Protection
Pipe Wrap For New
and Reconditioning
Work**

Protecto Wrap Pipeline Protection Systems

Protecto Wrap Company for over 35 years has been known for its excellence in research and development, and the high quality of pipeline protection materials manufactured.

Our products meet or exceed corrosion protective properties of pipe wraps for almost any job specifications and offer you the benefits of our experience and field service to back up the quality of our products.

200 & 200GT Pipe Tape

Compare Features

Cold Application
Wide Temperature Ranges
High Conformability
Excellent Chemical Stability
Exceptional Mechanical Strength
High Dielectric Strength
Little Cold Flow
Low Moisture Absorption Rate
Rapid Overlap Bond

Product Description

Protecto Wrap's 200 & 200GT pipe tapes are cold applied pipe wraps that can be used on all types and sizes of pipe applications for protection against moisture and corrosion and can be hand applied using either a spiral or cigarette wrap technique.

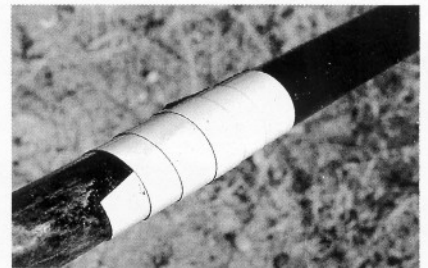
200 & 200GT tapes are manufactured from a formulation of premium grade aromatic bituminous resins modified with synthetic resins.

A special high strength film is bonded to the outer surface of the tapes which provides exceptional mechanical strength, easy handling, abrasion resistance to rough soil or aggregate particles.

A backing separator sheet removes easily, keeps the bonding surface fresh and is removed during application for easier handling.

Protecto Wrap's 200GT pipe tape is reinforced with an inert reinforcing material for extra mechanical strength and for applications where extra protection against abrasion is required.

200 & 200GT pipe wraps can be applied over a wide temperature range from 30°F to 160°F making these products ideal for almost any type of pipe wrap under most temperature and climatic conditions.



200 & 200GT Cold Applied Pipe Tape

Product Technical Data

Application Procedures

1. Clean the pipe surface to be wrapped of all dirt, rust and foreign elements by the normal wire brush method.
2. Remove about 2" of kraft paper from each end of the mill or yard coating.
3. Apply Protecto Wrap primer to the cleaned surface with a paint brush and about 2" back on each end of the factory coating.
4. Remove the backing separator from the tape for about 6"; when the primer becomes tack free, begin the spiral wrap with the film covered side of the tape up.
5. Remove and discard the backing separator from the tape as you wrap.
6. Use only enough pull on the tape to conform it properly to irregular surfaces of the pipe or fitting.
7. When the end of the wrap is reached, release all pull on the tape, cut the tape and if desired prime the end with Protecto Wrap primer. Smooth the end into place over the previous lap.
8. Lightly press overlap seams to insure a firm contact and bond.
9. When using a cigarette wrap for 200 & 200GT tape, follow all instructions above and brush the tack side of the tape lightly with Protecto Wrap primer where it forms a seam, smoothing it down with your hand.
10. When wrapping pipe to be jacked or pushed under crossings, always start and end joint with tape at a 90° angle to the pipe and use a minimum of primer at the overlap seam.

General Properties

| | |
|----------------------|-----------------------------|
| Thickness | 35 ± 5 mils and 46 ± 5 mils |
| Tack | Excellent |
| Bond to Primed Steel | Excellent |
| Adhesion to backing | Excellent |

Temperature Ranges

| | |
|-------------|-------------------|
| Application | + 30°F to + 160°F |
| In Service | - 40°F to + 160°F |

Moisture Resistant Properties

| Test | Value | Method |
|-----------------------------|------------------------------------|------------|
| Moisture Vapor Transmission | 0.96 grams/M ² -24 hrs. | ASTM-E-96B |
| Water Absorption | .2% Maximum | ASTM-D-570 |

Electrical Properties

| Test | Value | Method |
|-----------------------|--|-------------|
| Dielectric Strength | 1 Thickness-20,000 volts | ASTM-D-149 |
| Volume Resistivity | Greater than 10 ¹⁴ (ohm/cm) | ASTM-D-257 |
| Insulation Resistance | (Megohms) 1,000,000 | ASTM-D-1000 |

Cathodic Disbondment Properties

| Test | Value | Method |
|-----------------------------|--|------------|
| Salt Crock Solution-30 Days | 1.00 in ² Average Area of Disbondment | ASTM-G8-72 |

Physical Properties

| Test | Value | Method |
|----------------------|--|------------|
| Backing | .006" PVC | n.a. |
| Tensile Strength | 200-250 lbs. per sq. in. minimum | ASTM-D-882 |
| | 200 GT-300 lbs. per sq. in. minimum | ASTM-D-882 |
| Elongation | 200-150% | ASTM-D-882 |
| Tar Softening Point | 200 GT-75% | ASTM-D-36 |
| Bond to Primed Steel | 200°F minimum Peel Strength Exceeds Tensile Strength | ASTM-D-903 |

Chemical Resistance

| Environment | Resistance |
|--------------------|------------|
| Hot and Cold Water | Insoluble |
| Hot and Cold Brine | Insoluble |
| Alcohols | Insoluble |
| Inorganic Acids | Resistive |
| Alkalis | Resistive |
| Bacteria | Resistive |
| Fungus | Resistive |
| Soils | Resistive |
| Marine Life | Resistive |
| Rodents | Resistive |

200 & 200GT TAPE

Products and Packaging

| Width | Roll Length | Rolls per Carton | Weight per Carton | Squares per Carton |
|-------|-------------|------------------|-------------------|--------------------|
| 2" | 50' | 24 | 60 | 2 |
| 4" | 50' | 12 | 60 | 2 |
| 6" | 50' | 8 | 60 | 2 |
| 8" | 50' | 4 | 40 | 1.33 |
| 9" | 50' | 4 | 45 | 1.5 |
| 12" | 50' | 4 | 60 | 2 |
| 18" | 50' | 2 | 45 | 1.5 |
| 24" | 50' | 2 | 69 | 2 |
| 30" | 50' | 1 | 41 | 1.25 |

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.

Technical Assistance

For application conditions and coverages not shown in this brochure, or for any information you need, please feel free to call on us for technical assistance and information at any time from our laboratory and field staff experts.