

STANDARD SPECIFICATION  
SECTION 09952 COLD APPLIED WAX TAPE COATING

PART 1 - GENERAL

1.01 DESCRIPTION

This section includes materials and application of a three part, cold applied wax tape coating system for buried piping. The coating system shall be in accordance with AWWA C217 and as modified herein.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Standard Drawings.
- B. Record Drawings and Submittals: STD SPEC 01300.

1.03 SUBMITTALS

- A. Submit submittal packages in accordance with Standard Specification Section 01300.
- B. Submit manufacturer's catalog data sheets and application instructions.

PART 2 - MATERIALS

2.01 PRIMER

- A. Primer shall be a blend of petroleums, plasticizers, and corrosion inhibitors having a paste-like consistency. The primer shall have the following properties:

Color	Brown
Pour Point	100°F to 110°F
Flash Point	350°F
Coverage	1 gallon/100 square feet

- B. Primer shall be Trenton Wax Tape Primer, Denso Paste Primer, or District approved equal.

2.02 WAX TAPE

- A. Wax tape shall consist of a synthetic-fiber felt, saturated with a blend of microcrystalline wax, petrolatums, plasticizers, and corrosion inhibitors, forming a tape coating that is easily formable over irregular surfaces. The tape shall have the following properties:

Color	Brown
Saturant Pour Point	115°F to 120°F
Thickness	50 to 70 mils
Tape Width	6 inches
Dielectric Strength	100 volts/mil

- B. Wax tape shall be Trenton No. 1 Wax Tape, Denso "Densyl Tape," or District approved equal.

#### 2.03 PLASTIC WRAPPER

- A. Wrapper shall be a polyvinylidene chloride plastic with three 50-gauge plies wound together as a single sheet. The wrapper shall have the following properties:

Color	Clear
Thickness	1.5 mils
Tape Width	6 inches

- B. Plastic wrapper shall be Trenton Poly-Ply, Denso Tape PVC Self-Adhesive, or District approved equal.

#### 2.04 PLASTIC ADHESIVE TAPE

Use 2-inch wide plastic adhesive tape such as Calpico Vinyl Tape, Polyken 900, Scotchwrap 50, or District approved equal.

### PART 3 - EXECUTION

#### 3.01 WAX TAPE COATING APPLICATION

- A. Surfaces shall be clean and free of all dirt, grease, water, and other foreign material prior to the application of the primer and wax tape.
- B. Apply primer by hand or brush to all surfaces of the pipe, fitting, flanges, and bolts to be wrapped by wax tape. Work the primer into all crevices, around bolts and nuts, into the threads, and completely cover all exposed metal surfaces. Extend the primer beyond the indicated limits of application a minimum of 6 inches onto adjacent surfaces of the piping.
- C. Apply the wax tape immediately after the primer application. Work the tape into the crevices around the fitting or flanges. Cut short lengths of tape, place over each bolt head and nut, and work the tape into the crevices. Wrap the wax tape spirally around the pipe and across the fitting or flanges. Use a minimum overlap of 55 percent of the tape width. Extend the wax tape a minimum of 6 inches beyond each side of the application limits.
- D. Work the tape into the crevices and contours of irregularly shaped surfaces and smooth out so that there is a continuous protective layer with no voids or spaces under the tape. Tape must be in contact with the surfaces to be protected.
- E. Overlap the completed wax tape coating installation with the plastic wrapper material. Wrap spirally around the pipe and across the fitting or flanges. Use a minimum overlap of 55 percent of the tape width and apply two layers or applications of the plastic wrapper material.
- F. Overlap the completed plastic wrapper material with the plastic adhesive tape. Wrap spirally around the pipe and across the fitting or flanges. Use a minimum overlap of 55 percent of the tape width and completely cover the wrapper material.

END OF SECTION