

DELAWARE MATERIAL SPECIFICATION

CORRUGATED METAL PIPE (STEEL) MS 207A

1. **SCOPE**

This specification covers the quality of zinc-coated, aluminum-coated, and aluminum-zinc alloy-coated corrugated steel pipe and fittings.

2. **PIPE**

All pipe shall be metallic zinc-coated, aluminum-coated, or aluminum-zinc alloy-coated corrugated steel pipe and fittings conforming to the requirements of ASTM A-760, A-762, and A-885 for the specified type, class, fabrication of pipe and coating.

3. **COATINGS**

Coatings described herein, unless specified otherwise, refer equally to both the inside and outside pipe surfaces.

When coatings in addition to metallic coatings are specified, they shall conform to the requirements of ASTM A-762, A-849, and A-885 for the specified type. Polymer coated pipe, unless otherwise specified, shall be coated on each side with a minimum thickness of 0.01 inches (10 mils), designated as grade 10/10 in ASTM A-762.

4. **COUPLING BANDS**

Coupling bands are to be provided for each section of pipe. The hardware for fastening the coupling band tightly to the connecting pipe shall be fabricated to permit tightening sufficiently to provide the required joint tensile strength and, if required, watertightness, without failure of its fastening.

Gaskets, if specified, are to be provided for each coupling band. The fabrication of coupling bands and fastening hardware, in addition to the above, shall be sufficient to provide the required gasket seating without warping, twisting or bending.

5. FITTINGS

Fittings shall be made from steel conforming to ASTM A-444, A-742, A-806, A-819, and A-885. The coatings of fittings shall be the same as that specified for the contiguous corrugated metallic-coated pipe.

Welded surfaces and adjacent surfaces damaged during welding shall be treated by removal of all flux residue and weld splatter. The affected surfaces shall be cleaned to bright metal by sand blasting, power disk sanding, or wire brushing. The cleaned area shall extend at least one-half inch into the undamaged section of the coated area. Within 24 hours of completion of surface preparation all treated surfaces shall be painted with two (2) coats of one of the following paint systems.

- (a) Zinc dust-zinc oxide primer, Federal Specification TT-P-64, Type III, or;
- (b) Zinc dust paint, Military Specification MIL-P-21035, or;
- (c) Zinc Dust Chlorinated Rubber, Federal Specification TT-P-1046a, or;
- (d) Epoxy-Polyamid, Dept. of Defense Specification DOD-P-15145 B.