
Standard Specification for Field-Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches

AASHTO Designation: M 243-22

Technically Revised: 2022

Technical Subcommittee: 4b, Flexible and Metallic Pipe



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1. SCOPE

- 1.1. This specification covers field-applied asphaltic mastic coating of corrugated metal structural plate for pipe, pipe-arches, and arches to be used for the construction of metal culverts.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- M 167M/M 167, Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
 - M 219, Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches
 - M 339M/M 339, Thermometers Used in the Testing of Construction Materials
- 2.2. *ASTM Standards:*
- E1, Standard Specification for ASTM Liquid-in-Glass Thermometers
 - E230/E230M, Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
 - E879, Standard Specification for Thermistor Sensors for General Purpose and Laboratory Temperature Measurements
 - E1137/E1137M, Standard Specification for Industrial Platinum Resistance Thermometers
- 2.3. *International Electrotechnical Commission Standards:*
- IEC 60584-1: 2013 Thermocouples - Part 1: EMF Specifications and Tolerances
 - IEC 60751: 2008 Industrial Platinum Resistance Thermometers and Platinum Temperature Sensors

3. DESCRIPTION

- 3.1. Corrugated metal structural plate for pipe, pipe-arches, and arches shall conform to the requirements of M 167M/M 167 or M 219 and, in addition, shall be coated as hereinafter described.