

CMP & STRUCTURAL PLATE

Product Detail and Related Specifications



Item	Description	Specification	
		AASHTO	ASTM
DESIGN			
CORRUGATED METAL PIPE	1. Structural design of corrugated steel pipe and structural plate pipe. 2. Structural design of corrugated aluminum pipe.	BRIDGE SECT. 12	A796 B790
MATERIALS			
ZINC COATED (GALVANIZED) STEEL SHEETS AND COILS	1. Steel base metal with 2 oz. per ft. ² zinc coating for corrugated steel pipe. 2. Steel base metal with 3 oz. per ft. ² zinc coating for structural plate pipe.	M-218 M-167	A929 A761
POLYMER PRE-COATED SHEETS AND COILS	Polymer coatings applied to sheets and coils as follows: A. 10 mils, one or two sides. B. 10 mils one side, 3 mils the other side. C. Special order combination.	M-246	A742
ALUMINUM ALLOY	3004 H34 clad aluminum alloy.	M-197	B744
ALUMINUM COATED (ALUMINIZED TYPE II) STEEL SHEETS AND COILS	Steel base metal coated with 1 oz. per ft. ² of pure aluminum.	M-274	A929
FABRICATION			
SEWER & DRAIN PIPE	Corrugated pipe fabricated from any of the above sheets or coils. Pipe is fabricated by corrugating continuous coils into helical form with lockseam or by rolling annular corrugated mill sheets: 1. Galvanized Spiral Rib and corrugated steel pipe. 2. Aluminum alloy Spiral Rib and corrugated pipe. 3. Aluminized Type II Spiral Rib and corrugated steel pipe. 4. Polymeric pre-coated sewer & drainage pipe. 5. Steel structural plate pipe. 6. Composite ribbed steel pipe, precoated & polyethylene lined.	M-36 M-196 M-36 M-245 M-167 -	A760 B745 A760 A762 A761 A978
COATINGS & LININGS			
ASPHALT COATED STEEL SEWER PIPE	Corrugated steel pipe of any of the types shown above with a 0.050 in., high purity asphalt coating.	M-190	A849
INVERT PAVED STEEL SEWER PIPE	Corrugated steel pipe of any one of the types shown above with an asphalt pavement poured in the invert to cover the corrugation by 1/8 in. TruFlow polymerized asphalt invert treatment Concrete paved invert.	M-190 - -	A849 A849 A849
FULLY LINED STEEL SEWER PIPE	Corrugated steel pipe of the type shown above with an internal asphalt lining centrifugally spun in place. Lining depth is 1/8 in. above crest of corrugations.	M-190	A849
COLD APPLIED BITUMINOUS COATINGS	Fibrated mastic or asphalt base coatings of various viscosities for field or shop coating of corrugated pipe or structural plate.	M-243	A849
POLYETHYLENE LINED COMPOSITE PIPE	Composite ribbed steel pipe, precoated & polyethylene lined.	-	A978
GASKETS			
GASKETS AND SEALANTS	1. Standard O-ring gaskets. 2. Sponge neoprene sleeve gaskets. 3. Gasketing strips, butyl or neoprene. 4. Mastic sealant.	- - - -	D1056 D1056 D1056 D1056
INSTALLATION			
INSTALLATION	1. Corrugated steel pipe. 2. Corrugated aluminum pipe. 3. Corrugated steel structural plate pipe.	BRIDGE SECT. 26	A798 B788 A807