

CSP and Structural Plate Product Detail

Table 8-1 Material Description and Specifications

Material	Description	Specification	
		AASHTO	ASTM
Zinc Coated Sheets and Coils	Steel base metal* with 2 oz. per ft. ² zinc coating.	M-218	A444
Polymer Coated Sheets and Coils	Polymer coatings applied to sheets* and coils* as follows: a) one side only, 10 mils; b) 10 mils one side, 3 mils the other side; c) special ordered combination.	M-246	A742
Fiber Bonded Sheets	Steel base metal* with zinc coating and fibers pressed into the zinc while molten to form fiber coating.		A885
Aluminum Coated Coils	Steel base metal* coated with 1 oz. per ft. ² of pure aluminum.	M-274	A819
Zinc-Aluminum Coated Coils	Steel base metal* coated with 0.70 oz. per ft. ² of an aluminum-zinc alloy.	M-289	A806
Sewer and Drainage 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 welded seam, or by rolling annular corrugated mill sheets and riveting seams. 1. Galvanized corrugated steel pipe 2. Polymeric pre-coated sewer & drainage pipe 3. Fiber impregnated corrugated steel pipe 4. Aluminized Type II corrugated steel pipe 5. Aluminum-Zinc alloy coated corrugated steel pipe 6. Structural plate pipe	M-36 M-245 M-36 M-36 M-167	A760 A762 A760 A760 A760 A761
Asphalt Coated Steel Sewer Pipe	Corrugated steel pipe of any of the types shown above with a 0.050 in., high purity asphalt cover.	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.	M-190	A849
Fully Lined Steel Sewer Pipe	Corrugated steel pipe of the types shown above a. with an internal asphalt lining centrifugally spun in place or . . . b. with an internal concrete lining in place or . . . c. Corrugated steel pipe with a smooth steel liner integrally formed with the corrugated shell or . . . d. Corrugated steel pipe with a single thickness of smooth sheet fabricated with helical ribs projecting outward.	M-190 M-36 M-36	A849 A849 A760 A760
Cold Applied Bituminous Coatings	Fibrated mastic or coal tar base coatings of various viscosities for field or shop coating of corrugated pipe or structural plate.	M-243	A849
Gaskets and Sealants	1. Standard o-ring gaskets 2. Sponge neoprene sleeve gaskets 3. Gasketing strips, butyl or neoprene 4. Mastic sealant		D1056

*yield point – 33 ksi min.; tensile strength – 45 ksi min.; elongation (2 in.) – 20% min.