

The American Society for Testing and Materials is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

ASTM B695 Mechanically deposited zinc coatings on iron and steel.

The ASTM B695 specification covers the requirements for a coating of zinc mechanically deposited on iron and steel basis metals. The coating is provided in several thicknesses up to and including 107µm. The seven thickest classes are usually referred to as “mechanically galvanized” .

B695 Coating Classifications

Class	Minimum Thickness, µm
110	107
80	81
70	69
65	66
55	53
50	50
40	40
25	25
12	12
8	8
5	5
Class 55 is the most common class used for ASTM fasteners and is roughly the same thickness as hot dip galvanizing per ASTM F2329. 53µm is equivalent to 0.002087 inches or 2.087 mils.	

B695 Types

Type	Description
I	As coated, without supplementary treatment
II	With colored chromate conversion treatment

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