



ASTM A-90

Test Method for Weight (Mass) of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings

This test method covers procedures for determining the weight (mass) of coating on iron or steel sheet, wire, and other articles in which the coating is zinc or a zinc alloy, such as zinc-5% aluminum (including zinc-5% aluminum-mischmetal and zinc-5% aluminum-0.1% magnesium) or 55% aluminum-zinc. In the body of this method, reference to zinc coating shall be interpreted to also include zinc alloy coating except where specifically stated otherwise. This test method provides a standard method for determining the weight (mass) of coating for comparison with specification requirements. A coating of zinc on iron or steel articles provides protection against corrosion. As the protection is provided by sacrificial loss of zinc, the degree of protection is proportional to the weight (mass) of zinc coating. Specifications for zinc-coated articles frequently provide for different classes of coating so that the purchaser can select the coating weight (mass) most suitable to his needs. The final results determined by this test shall be expressed in inch-pound units or SI units, depending on the units used in the material specification to which the results are to be compared.

This method is also one of the tests used to determine a product's conformance to standards such as: A653, A123, and A153.

(A90, A-90, A 90)

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