

Coating mass/Coating thickness measurement

Test protocol: Gravimetric method, coating thickness meter (magnetic method as per clause 4 of IS 3203:1982 (Reaffirmed 2006)), optical microscopy method (thickness in cross section)

Type of samples that can be analyzed	Report
Evaluation of hot-dip zinc coating on structural steel bars for concrete reinforcement	Conformance of the coating weight to IS 12594 : 1988
Evaluation of electrogalvanized coatings on round steel wire	Conformance of the coating weight to IS 12753: 1989 (Reaffirmed 2001)
Coating thickness of fusion bonded epoxy coated reinforcing bars	Conformance to the coating thickness requirements as per clause 7.1 of IS 13620:1993 (Reaffirmed 2004)
Mass of tin coating of cold reduced electrolytic tin plate	Conformance to the tin coating mass as per IS 1993:2006/ISO 11949:1995
Hot-dip aluminium coatings on ferrous parts (other than sheet, strip and wire) for general purposes	Conformance to the coating thickness requirements of IS 6697:1998 (Reaffirmed 2006)
Thickness of electroplated coatings	Conformance to standard or customer defined specification
Thickness of non-stick plastics coated domestic cooking utensils as per clause 7.4 of IS 9370:1981 (Reaffirmed 2006)	Conformance to the coating thickness requirements of IS 9370:1981 (Reaffirmed 2006)