

IS 15961 : 2012 Hot dip aluminium - Zinc alloy metallic coated steel strip and sheet (Plain)

This Indian Standard, IS 15961 : 2012, outlines the requirements for hot dip aluminum-zinc alloy metallic coated steel strip and sheet. The standard covers steel grades, coating classes, and surface finishes for sheets and coils produced by uniformly coating both surfaces of cold rolled steel coils.¹ The document references several other Indian Standards that are relevant to the requirements laid out, including standards for cold reduced steel, tensile testing, steel sheet and strip, delivery requirements, and coating thickness.

The coating is achieved by dipping the strip into molten aluminum, zinc, and control elements at a specific temperature to create a uniform coating. The coated surface may undergo treatments such as temper mill pass, surface passivation, or other coatings. The standard also outlines the product designation sequence, which includes the standard number, steel grade, coating class, surface finish, and surface treatment condition.

The standard outlines testing procedures, including tensile tests and coating tests, and provides tables outlining the mechanical properties and coating class requirements. Additionally, it addresses the coating adhesion test, freedom from defects, mass, dimensions, shape and tolerances, re-testing procedures, packing, and marking. Finally, Annex A details the method for determining coating weight by weight loss. The standard is under mandatory certification.