

IS 12591 : 2018/ISO 11950 : 2016 Cold-Reduced Tinmill Products — Electrolytic Chromium / Chromium Oxide — Coated Steel

The Indian Standard (IS 12591: 2018), which aligns with ISO 11950:2016 specifies requirements for single and double cold-reduced electrolytic chromium/chromium oxide-coated steel (ECCS) in the form of sheets or coils in nominal minimum rolling widths of 600 mm. The standard specifies thickness ranges and technical requirements for single and double cold-reduced ECCS in sheet or coil forms.

IS outlines typical ECCS surface finish, surface treatments and imperfections in the sheet and coil. Specifies minimum and maximum average coating mass values and test methods as well as sampling criteria. Classification based on Tensile strength and Hardness and test methods for determining these values has been specified in the Standard .**IS specifies 28 grades** classified based on specific proof strength values (Rp0,2) both for batch-annealed (BA) and continuously annealed (CA) types. Tolerances for properties like edge camber, length, thickness, width and bowing are detailed for both sheets and coils.