

ABSTRACT OF DISCLOSURE

METHOD FOR MANUFACTURING ZINC OR ZINC ALLOY COATED STEEL SHEET AND ZINC OR ZINC ALLOY COATED STEEL SHEET MANUFACTURED BY THE METHOD

An object of the present invention is to provide a zinc or zinc alloy coated steel excellent in various properties including corrosion resistance and adhesion properties and, in particular, good conductivity. In order to achieve the object, the present invention provides a method for manufacturing a zinc or zinc alloy coated steel sheet, comprising: preparing a surface-treatment liquid for a the steel sheet, containing following components, by blending the including: (A) a specific resin emulsion; (B) a tetraalkoxysilane; (C) at least one type of silane coupling agent; (D) a chelating agent; (E) a vanadate compound; (F) a titanium compound; and water; and applying by coating the surface-treatment liquid to a surface of the steel sheet, heating and drying the surface of the steel sheet such that a coating amount per one surface is 200 to 1,000 mg/m² to form a surface treatment coating film on the surface.

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