

ABSTRACT

SURFACE-TREATED STEEL SHEET FOR ORGANIC RESIN COATING
AND METHOD OF PRODUCING SAME, AND
ORGANIC RESIN COATED STEEL SHEET
AND METHOD OF PRODUCING SAME

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Disclosed is a method of producing a surface-treated steel sheet for organic resin coating comprising: applying, to a surface of a zinc or zinc alloy coated or plated steel sheet, a surface-treatment solution containing a resin compound having a specific bisphenol skeleton, a cationic urethane resin emulsion, a silane coupling agent having a specific reactive functional group, an organic titanium chelate compound, a tetravalent vanadium compound, a molybdate compound, a fluorine compound, and water in a specific ratio and with a pH of 4 to 5 to form a surface-treatment layer such that a coating weight of the surface-treatment layer per surface after drying of the surface-treatment solution is 0.005 g/m² to 1.8 g/m².

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