

ABSTRACT

TITLE

HOT-DIP AL-ZN ALLOY COATED STEEL SHEET AND
METHOD OF PRODUCING SAME

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Provided is a coated steel sheet having good adhesion between a chemical conversion coating and a primer coating film and excellent corrosion resistance at processed parts and cut edges. In the present disclosure, the coating has a chemical composition containing Al: 45 mass% to 65 mass% and Si: 1.0 mass% to 3.0 mass%, with the balance being Zn and inevitable impurities, the Mg content is 0.3 mass% or less with respect to the total mass of the coating, and the diffraction intensities of MgZn_2 and $\text{Mg}_2\text{Zn}_{11}$ in the coating measured by X-ray diffraction satisfy the following relational expressions (1) and (2): MgZn_2 (100) = 0 ... (1) $\text{Mg}_2\text{Zn}_{11}$ (321) = 0 ... (2).

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[FIG. 1]