

ABSTRACT

HOT-DIP Al-Zn-Si-Mg-Sr COATED STEEL SHEET, SURFACE-TREATED STEEL SHEET, AND PRE-PAINTED STEEL SHEET

To provide a hot-dip Al-Zn-Si-Mg-Sr coated steel sheet that stably exhibits excellent corrosion resistance and good surface appearance. Disclosed
5 is a hot-dip Al-Zn-Si-Mg-Sr coated steel sheet including a coating layer, in which the coating layer has a composition containing Al: 45 mass% to 65 mass%, Si: 1.0 mass % to 4.0 mass%, Mg: 1.0 mass% to 10.0 mass%, and Sr: 0.01 mass % to 1.0 mass %, with the balance being Zn and inevitable impurities, and diffraction intensities of Si and Mg₂Si in the coating layer as
10 measured by an X-ray diffraction method satisfy the following relation (1):
$$\text{Si}(111)/\text{Mg}_2\text{Si}(111) \leq 0.8 \quad (1).$$

No Suitable Figure