

[Abstract]

A plated steel material having a plating layer having an average chemical composition containing, in mass%, Zn: more than 50.00%, Al: more than 15.0% and less than 30.0%, Mg: more than 5.0% and less than 15.0%, and Si: 0.25% or more and less than 3.50%, and impurities, and wherein a total amount (ΣA) of at least one selected from the group consisting of Sn, Bi and In is less than 1.00%, a total amount (ΣB) of at least one selected from the group consisting of Ca, Y, La, Ce and Sr is 0.02% or more and less than 0.60%, $2.0 \leq \text{Mg/Si} < 20.0$ (Formula 1), $3.0 \leq \text{Si}/\Sigma B < 24.0$ (Formula 2), and $26.0 \leq (\text{Si}/\Sigma B) \times (\text{Mg/Si}) < 375.0$ (Formula 3) are satisfied, and in an X-ray diffraction pattern of the surface of the plating layer, a diffraction intensity ratio R1 defined by $R1 = \{I(16.18^\circ) + I(32.69^\circ)\} / I(27.0^\circ)$ (Formula 4) satisfies $2.5 < R1$ (Formula 5) is used.

[No suitable figure]