

[Abstract]

A plated steel including a plated layer on a surface of a steel, in which Expression 1 of $0 \leq \text{Cr} + \text{Ti} + \text{Ni} + \text{Co} + \text{V} + \text{Nb} + \text{Cu} + \text{Mn} \leq 0.25$ and Expression 2 of $0 \leq \text{Sr} + \text{Sb} + \text{Pb} + \text{B} + \text{Li} + \text{Zr} + \text{Mo} + \text{W} + \text{Ag} + \text{P} \leq 0.50$ are satisfied, and Expression 3 of $I(\text{MgZn}_2 (41.31^\circ)) / I\Sigma(\text{MgZn}_2) \leq 0.265$ and Expression 6 of $0.150 \leq \{I(\text{MgZn}_2 (20.79^\circ)) + I(\text{MgZn}_2 (42.24^\circ))\} / I\Sigma(\text{MgZn}_2)$ are further satisfied in an X-ray diffraction pattern of a surface of the plated layer measured using Cu-K α rays under a condition that an X-ray output is 40 kV and 150 mA.

[No figure]