

[Abstract]

This metallic coated steel includes a steel material and a metallic coating layer. The metallic coating layer has an average chemical composition including Al: 0.2% to less than 4.0%, Mg: more than 4.0% and less than 12.5%, Ca: 0.15% to less than 3.00%,
5 Zn: 65% or more, and impurities. In an any perpendicular cross section (in a thickness direction) in the metallic coating layer, a metallurgical structure observed in a scanning electron microscope observed visual field contains, in terms of area fraction, an MgZn_2 phase: 10 to 40%, an Al-Zn phase: 0 to 15%, an Al phase: ($\text{Zn} < 10\%$): 0 to 5%, a CaZn_{13} phase: 1.0 to 15%, and a total of a [ternary eutectic structure of Al/MgZn₂/Zn] and a
10 [binary eutectic structure of MgZn₂/Zn]: 30% or more.

[No suitable figure]