

ABSTRACT

Provided is a hot-dip Al-Zn-Mg-Si-Sr coated steel sheet having good surface appearance as well as excellent corrosion resistance in flat parts and
5 worked parts, which has a hot-dip coating layer having a composition containing 40 mass% to 70 mass% of Al, 0.6 mass% to 5 mass% of Si, 0.1 mass% to 10 mass% of Mg, and 0.001 mass% to 1.0 mass% of Sr, with the balance being Zn and inevitable impurities, where the hot-dip coating layer includes an interfacial alloy layer present at an interface with a base steel
10 sheet, and a main layer present on the alloy layer, and for Mg_2Si observed in a cross section in the thickness direction of the hot-dip coating layer, an area ratio of Mg_2Si existing within a range from a surface of the main layer to 50 % of the thickness of the main layer is 50 % or more, and an area ratio of Mg_2Si extending from a surface of the main layer to the interfacial alloy layer is 50
15 % or less.