

ABSTRACT

HOT DIP Zn-Al BASED ALLOY PLATED STEEL PRODUCT EXCELLENT IN
BENDING WORKABILITY AND METHOD FOR PRODUCTION THEREOF

A hot-dip Zn-Al alloy-plated steel material ensuring high corrosion resistance and excellent bending workability of the plating layer, and a production method thereof are provided, that is, a hot-dip Zn-Al alloy-plated steel material with excellent bending workability, having a plating layer comprising, in terms of mass%, from 25 to 85% of Al, from 0.05 to 5% of one or both of Cr and Mn, and Si in an amount of 0.5 to 10% of the Al content, with the balance being Zn and unavoidable impurities, wherein the average spangle size on the plating surface is 0.5 mm or more; and a production method thereof.

Fig. 1