

Abstract:

A new type, hot-dip galvanized steel sheet (GI) with

sible to obtain satisfactory press formability with GI by imparting the proper roughness to the sheet and using a lubricant-type anti-rust oil.

2.3 Weldability

Auto bodies are assembled by spot welding at 3 000 to 4 000 spots per automobile. As one disadvantage of Zn-coated corrosion-resistant sheets, electrode

by Nihon Parkerizing Co., Ltd.), followed by washing in water and drying. With CR, crystals with a phosphophyllite structure were observed. In contrast, with GA and GI, phopite crystals were observed, and there was no significant difference in size and shape of the crystals.

According to various reports, GA is susceptible to the paint defect called "crater" during electro deposition coating.^{3,4)} Therefore, Fe-P coating is performed as a top layer to pre e



dross (floating dross) floats in the pot, whereas Fe-Zn type (bottom dross) is found at the bottom of the pot. It is known that the formation of the two types is strongly affected by the Al concentration in the bath and bath temperature.

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