

Title (en)

MOLTEN ALUMINUM ALLOY-PLATED STEEL SHEET HAVING EXCELLENT CORROSION RESISTANCE AND WELDABILITY, AND METHOD FOR PRODUCING SAME

Title (de)

MIT ALUMINIUMLEGIERUNGSSCHMELZE PLATTIERTES STAHLBLECH MIT AUSGEZEICHNETER KORROSIONSBESTÄNDIGKEIT UND SCHWEISSBARKEIT SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

TÔLE D'ACIER PLAQUÉE D'ALLIAGE D'ALUMINIUM FONDU AYANT UNE EXCELLENTE RÉSISTANCE À LA CORROSION ET SOUDABILITÉ ET SON PROCÉDÉ DE FABRICATION

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Application

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Abstract (en)

The present invention relates to a molten aluminum alloy-plated steel sheet having excellent corrosion resistance and weldability, and a method for producing same. A plated steel sheet according to one aspect of the present invention may be a molten aluminum alloy-plated steel sheet having excellent corrosion resistance and weldability and comprising a molten aluminum alloy plating film including: an interface alloy layer present at the interface with the steel sheet; and a plating upper layer disposed on the interface alloy layer, wherein a phase having an atomic ratio between Fe and Al of between 1:2.8-1:3.3 constitutes at least 70% by area of the phases present within 1 μm in the interface alloy layer direction from the boundary between the interface alloy layer and a base steel sheet.

IPC 8 full level

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