

ABSTRACT OF THE DISCLOSURE

An Al alloy member having excellent corrosion resistance comprises an Al or Al alloy substrate having an anodic oxide film including a porous layer and a pore-free barrier layer. At least a part of a structure of the barrier layer is altered into boehmite and/or pseudo-boehmite, a dissolution rate of the film is at 100 mg/dm²/15 minutes or below when determined by an immersion test in phosphoric acid/chromic acid (JIS H 8683-2), and a corroded area percent is at 10% or below after allowing the film to stand in an atmosphere of 5% Cl₂-Ar gas at 400°C for 4 hours.



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