

Abstract

A water-reactive Al composite material for thermal spraying comprises Al to which are added, on the basis of the weight of Al, Bi in an amount of not less than 0.2% by mass and not more than 2% by mass; Si in an amount of not less than 1.5% by mass and not more than 8% by mass; Ti in an amount of not less than 0.2% by mass and not more than 4% by mass; Ce in an amount of not less than 0.2% by mass and not more than 2% by mass; and Mg in an amount of not less than 0.2% by mass and not more than 2% by mass. An Al alloy-sprayed film is prepared from this Al composite material and constituent members for a film deposition chamber is covered with this Al alloy-sprayed film.