

Abstract

Provided herein are a water-reactive Al composite material which comprises 4NAI or 5NAI, as an Al raw material, containing, on the basis of the amount of the Al raw material, added Bi in an amount ranging from 0.8 to 1.4% by mass and Si, including the Si as an impurity of the Al raw material, in a total amount ranging from 0.25 to 0.7% by mass; a thermally sprayed Al film produced using this Al composite material; a method for the production of this Al film; and a constituent member for a film-forming chamber, which is provided, on the surface, with the thermally sprayed Al film.