

ABSTRACT

There is provided a corrosion-resistant member in which a corrosion-resistant coating film is less likely to peel off from a base material even when the corrosion-resistant member is subjected to a thermal history. The corrosion-resistant member includes: a base material (10) containing aluminum or an aluminum alloy; and a corrosion-resistant coating film (20) formed on the surface of the base material (10), in which the corrosion-resistant coating film (20) contains aluminum fluoride hydroxide $\text{AlF}_{3-x}(\text{OH})_x$ in which a space group belongs to R-3c, and x in the chemical formula is 0.05 or more and 1.00 or less.

Fig. 1