

ABSTRACT OF THE DISCLOSURE

A corrosion-resistant member comprising a base material having formed thereon a sprayed coating having high corrosion resistance to corrosive gases or plasma, and a process of producing the same are disclosed. The corrosion-resistant member comprises a base material having formed thereon a sprayed coating, the sprayed coating being formed on the site of the base material to be exposed to corrosive gases or plasma and comprising Si, O, N, Group 2a element, and at least one element selected from the group consisting of Al, B, Zr and Ti, or comprises a base material having formed thereon a sprayed coating, the sprayed coating being formed on the site of the base material to be exposed to corrosive gases or plasma and comprising Si, O, N, Group 3a element, and at least one element selected from the group consisting of B, Zr and Ti.