

HYDROPHILICIZING SEALER TREATMENT FOR METAL OBJECTS

Abstract of the Disclosure

Substantially improved resistance to sea water corrosion along with adequate hydrophilicity and retention or even improvement of hydrophilicity after exposure to high temperature can be provided on a metal substrate, particularly an aluminum alloy of the type used for heat exchanger fins, by an aqueous liquid hydrophilicizing treatment composition containing poly(alkylene imine) and alkali metal silicate, and, optionally, polyether polyols. The hydrophilicizing treatment is preferably applied over a conventional conversion coating, particularly a chromium phosphate or chromium oxide conversion coating.