

WATER-BASED TREATMENT SOLUTION, CHEMICAL CONVERSION
TREATMENT METHOD, AND CHEMICAL-CONVERSION-TREATED STEEL SHEET

ABSTRACT

5 The purpose of the present invention is to provide a water-based treatment solution
which makes it possible to form a chemical-conversion-treated coating film having further
improved corrosion resistance. The present invention relates to a water-based treatment
solution for a chemical conversion treatment of a steel sheet or a plated steel sheet. The
water-based treatment solution contains an organic resin including a fluororesin, a
10 Group-4A metal compound, and at least one binding promoter selected from the group
consisting of dimethyl adipate, diethyl adipate, di(iso)propyl adipate, di(iso)butyl adipate,
dimethyl phthalate, diethyl phthalate, di(iso)propyl phthalate and di(iso)butyl phthalate.

[No Suitable Figure]