

AN EVALUATION OF PRODUCTS FOR WASHING AIRPLANES AND THEIR EFFECTS ON CORROSION

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ABSTRACT

This paper presents the results from an investigation undertaken to compare the relative effectiveness of four Chemical Rinse Agents (CRAs) used for rinsing aircraft. The products were applied on a weekly basis to a series of flat alloy panels exposed to an oceanfront, marine atmospheric environment for two years. The results are presented and compared to those obtained from exposures of the same alloys that were not washed, were washed with ocean water, or washed with demineralized water. This report is a part of an ongoing study. Only the results of the exposures of aluminum alloys are presented in this report.

Keywords: Corrosion, rinsing aircraft, washing aircraft, aircraft birdbath, aluminum, titanium, steel, magnesium, aerospace, atmospheric corrosion, pitting corrosion, marine atmosphere, rinse agent.