

## 4.X Anticorrosion preservation of the airframe

### 4.X.1 Use of ACF-50 anticorrosion compound

An aircraft manufacturer recommends using the ACF-50 compound to increase the corrosion resistance of the airframe against environmental impacts.

By default, the ACF-50 compound is applied to new aircraft and then cyclically at recommended intervals. The recommended interval of application depends on the corrosion environment severity and presence of specific corrosion on aircraft in a particular geographical area. A suitable tool for decision to set the repeat interval spraying is circular DoT US FAA AC No: 43-4 Date: 07/25/91. Maps for three stages of corrosive environment severity for the continents are listed in Chapter 4 Paragraph 4.12 of this circular.

The aircraft manufacturer recommends the following cycles for repeated application of the ACF-50 compound for Viper SD-4 aircrafts (with reference to the circular mentioned above):

<b>Corrosion environment severity stage</b>	<b>Recommended interval of application</b>
MILD	24 months
MODERATE	12 months
SEVERE	6 months

Instructions for application of the ACF-50 compound to airframe are given in Appendix 1 to the SIB SD4-02-2015 or in "Instructions for use of ACF-50 anticorrosion compound on aircraft Viper SD-4", which is part of the supporting airplane documentation for airplanes manufactured from year the 2016.

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