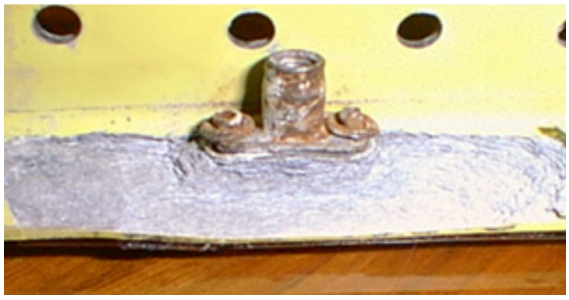
Corrosion Conversation

The Corrosion Conversation discusses various forms of corrosion, the basics on how the corrosion begins, and how to take preventative measures to ensure your aircraft will be protected for the long-haul. Click on the title of each type of specific corrosion to learn more.

Galvanic Corrosion



How it Works:

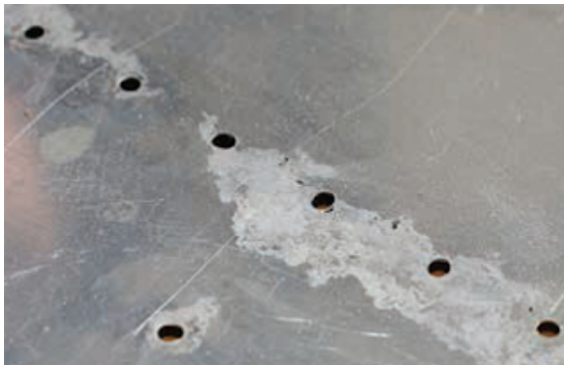
Galvanic corrosion is an electrochemical process. It occurs when metals of different electrochemical potential (dissimilar metals) are in contact (have a conductive connection) in the presence of an electrolyte.

Av-DEC Preventative Solution:

Polyurethane Rolled Sealants

Av-DEC's Polyurethane Rolled Sealants are specifically designed to prevent water or electrolyte intrusion in dissimilar metal matting joints such as 7075 Aluminum Structure.

Uniform Etch Corrosion



How it Works:

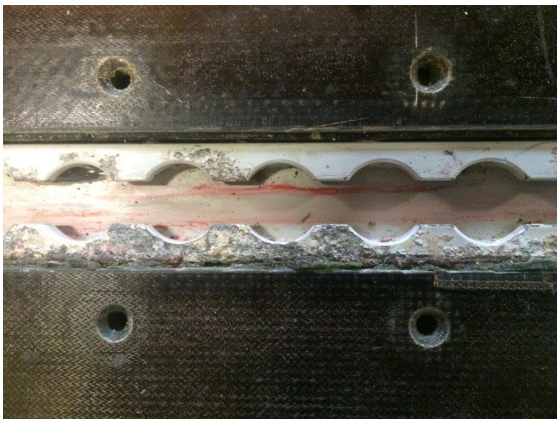
Uniform Etch Corrosion, also known as surface corrosion, is the most common type of corrosion on aircraft structures. Uniform Etch Corrosion occurs under normal service conditions, particularly in areas where water or condensation is not drained properly.

Av-DEC Preventative Solution:

SpraySeal SF2470

Av-DEC SpraySeal®, SF2470, is a two-component polyurea material engineered to create a watertight, flexible seal to protect against corrosion. Upon application, SpraySeal will protect surfaces vulnerable to Uniform Etch Corrosion.

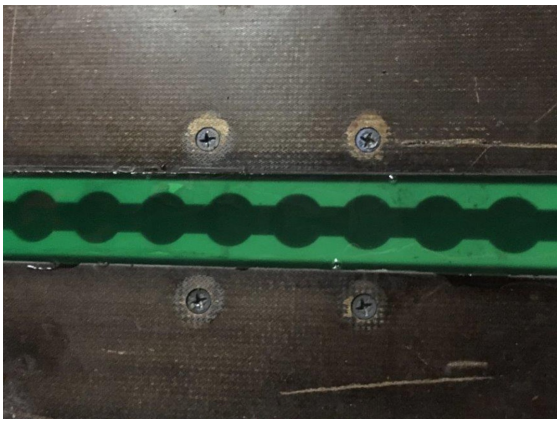
Pitting Corrosion



How it Works:

Pitting Corrosion is the localized corrosion of a metal surface confined to a point or small area, that takes the form of cavities. Pitting corrosion is usually found on passive metals and alloys. The combination of small active anodes with the large passive cathodes causes severe pitting.

Av-DEC Preventative Solution:



Self-Leveling Green

To mitigate the potential damage caused by Pitting Corrosion, utilize Av-DEC's two-part, injectable sealant, Self-Leveling Green. Self-Leveling Green is formulated for sealing surfaces from moisture and electrolytes that cause corrosion.

View More Corrosion Prevention Solutions

Join the Corrosion Conversation on Av-DEC's Social Media Pages: