Application Data

TBAC™ Solvent

Tertiary Butyl Acetate
Aircraft Maintenance Chemical Testing

ASTM F1110

Sandwich Corrosion
Aluminum panel QQ-A-250/4; AMS 4037
Control rating: 1 (very slight corrosion or discoloration) TBAC rating: 1
Conforms

ASTM F483

Total Immersion Corrosion Test for Aircraft Maintenance Chemicals

<table>
<thead>
<tr>
<th>Alloy</th>
<th>Wt. Loss (mg) 24hrs</th>
<th>Wt. Loss (mg/cm²/24hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 4041 Clad Aluminum QQ-A-250/5</td>
<td>&lt;0.1</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>AMS 4049 Clad Aluminum QQ-A-250/13</td>
<td>&lt;0.1</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>AMS 4037 Bare Aluminum QQ-A-250/4 anodized per MIL-A-8625 Ty 1</td>
<td>&lt;0.1</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>AMS 5046; grade 1020 steel</td>
<td>0.2</td>
<td>0.01</td>
</tr>
<tr>
<td>AMS 5046; grade 1020 steel; cadmium plated per QQ-P-416 Ty 1, Cl3</td>
<td>0.3</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>AMS 4911 titanium 6Al-4V</td>
<td>0.1</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

ASTM F945

( Method A)

Stress Corrosion of Titanium Alloys by Aircraft Engine Cleaning Materials (Method A)

<table>
<thead>
<tr>
<th>Titanium Alloy</th>
<th>Observation</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 4911</td>
<td>No cracking observed</td>
<td>Conforms</td>
</tr>
<tr>
<td>AMS 4916</td>
<td>No cracking observed</td>
<td>Conforms</td>
</tr>
</tbody>
</table>

ASTM F519

(Type 1A.1)

Method for Mechanical Hydrogen Embrittlement Evaluation of Plating Processes and Service Environments (Passive Chemicals)

Plating: Low-embrittling cadmium plate in accordance with Table II; Treatment B of ASTM F519

Modification:
Load (Type 1a.1): .....................................75% notched tensile fracture load
Exposure Time: .........................................200 hours

.............................. No failures occurred within 200 hours.
Stress Crazing of Acrylic Plastics in Contact with Liquid or Semi-Liquid Compounds

Test Material: MIL-P-83310 Polycarbonate
Exposure: 3000 psi for 30 minutes
Specimens failed upon contact with sample.

Test Material: MIL-P-5425 Type A cast acrylic
Exposure: 3000 psi for 8 hours
Specimens failed within 2 hours.

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