

## 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

<u>Alloy</u>	<u>Wt. Loss (mg)</u>		<u>Wt. Loss (mg/cm<sup>2</sup>/24hrs)</u>
	<u>24hrs</u>	<u>168hrs</u>	
AMS 4041 Clad Aluminum QQ-A-250/5	<0.1	<0.1	<b>&lt;0.01</b>
AMS 4049 Clad Aluminum QQ-A-250/13	<0.1	<0.1	<b>&lt;0.01</b>
AMS 4037 Bare Aluminum QQ-A-250/4 anodized per MIL-A-8625 Ty 1	<0.1	<0.1	<b>&lt;0.01</b>
AMS 5046; grade 1020 steel	0.2	0.3	<b>0.01</b>
AMS 5046; grade 1020 steel; cadmium plated per QQ-P-416 Ty 1, Cl3	0.3	<0.1	<b>0.01</b>
AMS 4911 titanium 6Al-4V	0.1	0.1	<b>&lt;0.01</b>

### ASTM F945 (Method A)

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

<u>Titanium Alloy</u>	<u>Observation</u>	<u>Result</u>
AMS 4911	No cracking observed	<b>Conforms</b>
AMS 4916	No cracking observed	<b>Conforms</b>

### 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.**

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### ASTM F484

Stress Cracking 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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