

# SMI, Inc.

12219 SW 131 Avenue  
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047  
Fax: (305) 971-7048

---

Attn: Drew Gill  
Permanon GmbH  
Happy Valley Industrial Estate, Unit C  
King's Langley  
Hertfordshire WD4 8HD  
England

Date: 06-Nov-2009

SMI/REF: 0908-627A<sub>R</sub>  
Revised product & company name

Product: **AIRCRAFT SUPERSHINE** (received 10-Sep-2009)

Dilution: As received

Page 1 of 3

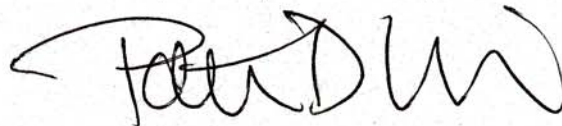
---

**BOEING D6-17487 REVISION P**  
*Exterior and General Cleaners and Liquid Waxes,  
Polishes and Polishing Compounds*

---

Sandwich Corrosion Test	<u>Conforms</u>
Acrylic Crazing Test	<u>Conforms</u>
Paint Softening Test	<u>Conforms</u>
Hydrogen Embrittlement Test	<u>Conforms</u>

Respectfully submitted,



Patricia D. Viani, SMI, Inc.



Client: Permanon GMBH  
Product: **AIRCRAFT SUPERSHINE**  
Dilution: As received  
BOEING D6-17487 REVISION P (*Exterior & General*)

Date: 06-Nov-2009  
SMI/REF: 0908-627A<sub>R</sub>  
Revised company & product name

Page 3 of 3

Acrylic Crazeing Test:

The material being tested shall not craze, crack, or etch acrylic test specimens when tested in accordance with ASTM F 484 using Type C (stretched acrylic plastic in accordance with MIL-P-25690) stressed to an outer fiber stress of 4500 psi.

**Type C (MIL-P-25690): No crazing, cracking, or etching**

Result Conforms

Paint Softening Test Procedure:

- a. Testing shall be in accordance with ASTM F502 using the following coating systems.
- (1) BMS 10-79, Type II primer applied in accordance with BAC 5882 plus BMS 10-60, Type II enamel in accordance with BAC 5845.
  - (2) BMS 10-79, Type III primer applied in accordance with BAC 5882, plus BMS 10-100 coating in accordance with BAC 5795.
- b. Three specimens conforming to Section 13a.(1) and three specimens conforming to Section 13a(2) shall be used for each test condition.
- c. The material being tested shall not produce a decrease in film hardness greater than two pencils, or any discoloration or staining.

NOTE: Slight darkening of the BMS 10-100 surface is acceptable.

**As received:**

**Paint system 1: 0 pencil hardness change after 24 hour post-exposure dry time. No discoloration or staining.**

**Paint system 2: 0 pencil hardness change after 24 hour post-exposure dry time. Slight discoloration or staining.**

Result Conforms

Hydrogen Embrittlement Test:

Hydrogen Embrittlement testing shall be in accordance with ASTM F 519-93, using cadmium plated Type 1a, 1c, or 2a specimens. All requirements of ASTM F519-93 for specimens, preparation, testing, and reporting shall apply. Type 1a specimens shall meet the requirements of D6-4307.

**Specimens: Type 1c, cadmium plated per MIL-STD-870.**

**(45% load, 150 hours, notched immersed for the duration, room temp.)**

**As received:**

**#1: No failure occurred within 150 hours.**

**#2: No failure occurred within 150 hours.**

**#3: No failure occurred within 150 hours.**

**#4: No failure occurred within 150 hours.**

Result Conforms