

**PAINT ARRESTANCE FILTER TEST REPORT**  
 Spray Removal Efficiency & Paint Holding Capacity

Tested for: **Air Flow Technology Inc.**  
 Filter Mfr.: **Air Flow Technology Inc.**  
 Filter Name: **22 Grams Paint Arrestor**  
 Report#./Test# **R 661 T 761**  
 Report Date: **March 16, 2005**

**Test Information**

**FILTER DESCRIPTION:**

White/Yellow highloft fiberglass

**PAINT DESCRIPTION:**

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

**PAINT SPRAY METHOD:**

Conventional Air Gun at 40 PSI

**SPRAY FEED RATE:**

**137** gr./min. **130** cc./min.

**AIR VELOCITY:**

**150** FPM

**Test Results**

**INITIAL PRESSURE DROP of Clean Test Filter**

**0.02** in. water

**FINAL PRESSURE DROP of Loaded Test Filter**

**0.11** in. water

**WEIGHT GAIN on TEST FILTER & Test Frame Trough**

**4038** grams

**PAINT HOLDING CAPACITY of TEST FILTER**

**1173** grams = **2.6** lbs.

**PAINT RUN-OFF**

**2865** grams

**WEIGHT GAIN on FINAL FILTER**

**39.4** grams = **PENETRATION**

**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**

**99.03** %

**COMPLIANT WITH 40 CFR PART 63 NESHAP**

Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.

