

**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: **15 Grams Paint Arrestor**  
 Report#./Test#: **R 660 T 760**  
 Report Date: **March 16, 2005**

**Test Information**

**FILTER DESCRIPTION:**

White/Green 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**

**0.14** in. water

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

**3925** grams

**PAINT HOLDING CAPACITY of TEST FILTER**

**1073** grams =                      **2.4** lbs.

**PAINT RUN-OFF**

**2852** grams

**WEIGHT GAIN on FINAL FILTER**

**47.1** grams =                      **PENETRATION**

**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**

**98.81** %

Note:the procedure used to demonstrate filter efficiency is consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992"

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**COMPLIANT  
WITH 40 CFR  
PART 63  
SUBPART 6H  
NESHAP**

