

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

Tested for: **Air Flow Technologies**
 Filter Mfr.: **Air Flow Technologies**
 Filter Name: **E12**
 Report#./Test# **R 878 T 978**
 Report Date: **May 1, 2008**

Test Information

FILTER DESCRIPTION (20" x 20" pad):

2" highloft polyester white

PAINT DESCRIPTION:

High Solids Baking Enamel (S.W. 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

0.12 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.50 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

1742 grams

PAINT HOLDING CAPACITY of TEST FILTER

1665 grams = 3.7 lbs.

PAINT RUN-OFF

77 grams

WEIGHT GAIN - FINAL FILTER

2.2 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.87 %

COMPLIANT WITH 40 CFR PART 63 NESHAP

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