

**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

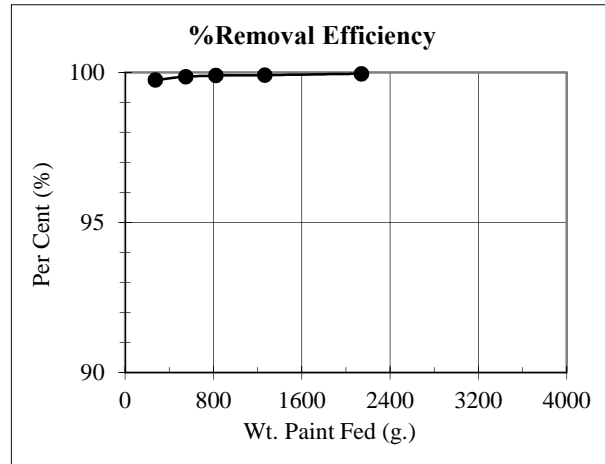
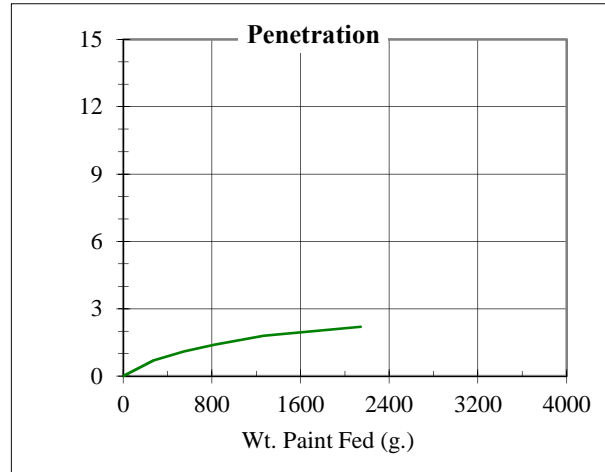
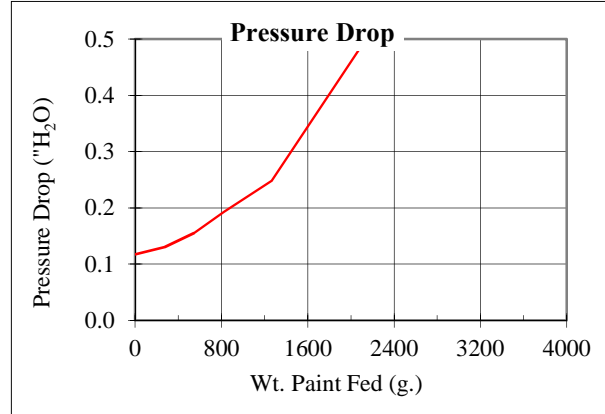
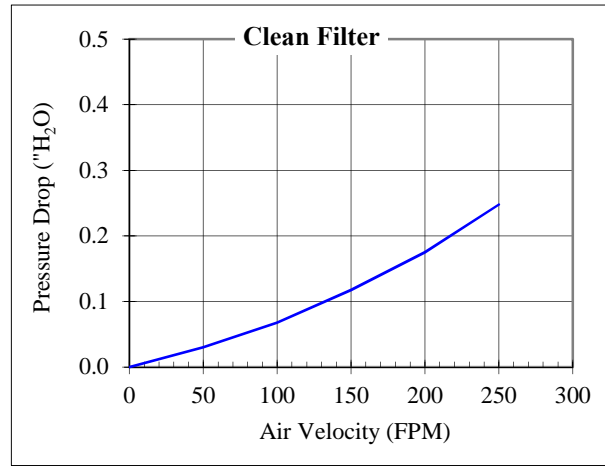
**77** grams

WEIGHT GAIN - FINAL FILTER

**2.2** grams =                      **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

**99.87** %



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