

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

Tested for:  
 Filter Mfr.:  
 Filter Name: **FM18**  
 Report#/Test#: **R 675 T 775**  
 Report Date: **September 13, 2005**

**Test Information**

FILTER DESCRIPTION: (20x20 pad)

Yellow highloft fiberglass pad

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

0.002 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.01 in. water

WEIGHT GAIN on TEST FILTER & TEST FRAME TROUGH

4106 grams

PAINT HOLDING CAPACITY of TEST FILTER

1093 grams =                      2.4 lbs.

PAINT RUN-OFF

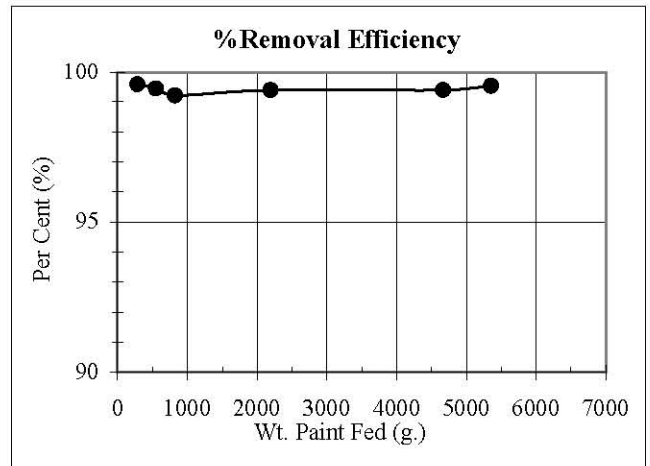
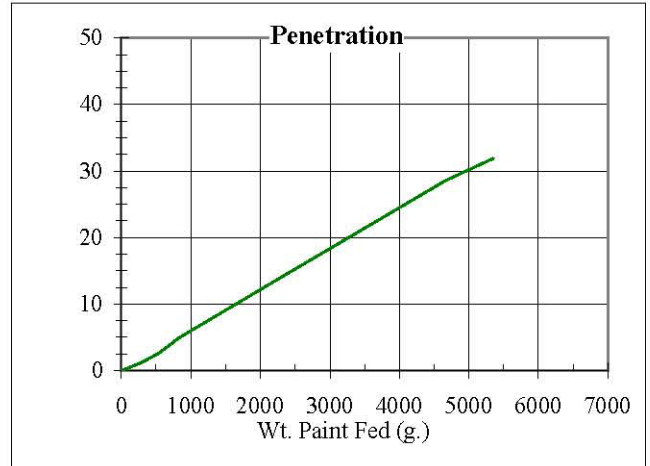
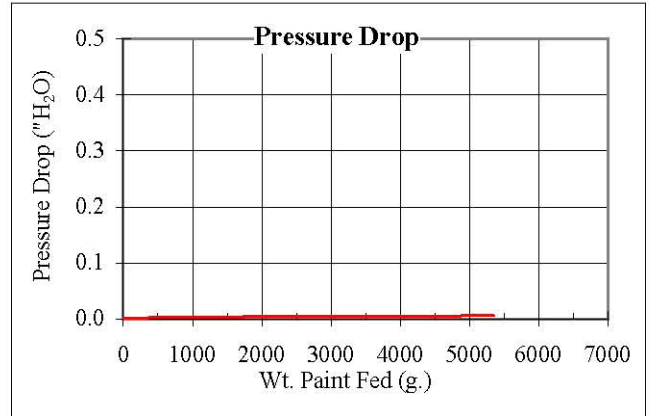
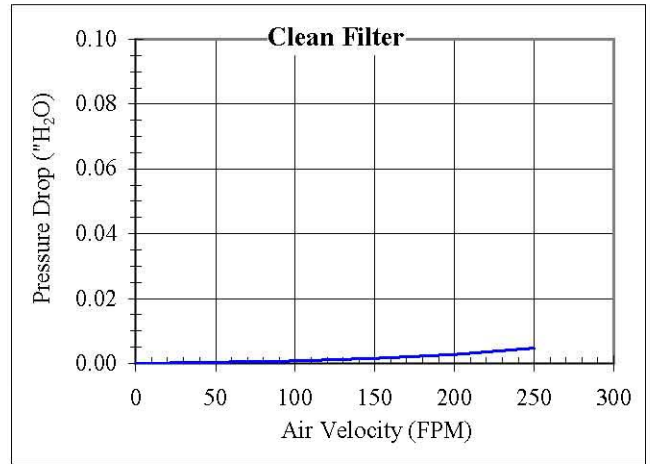
3013 grams

WEIGHT GAIN on FINAL FILTER

31.9 grams =                      PENETRATION

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.23 %



Test Engineer: Todd Kruger

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