



PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

BASED ON 40 CFR PART 63 NATIONAL EMISSION STANDARD

Tested for: **Air Filtration Co., Inc.**
Filter Mfr.: **Research Products**
Filter Name: **3200 Series Paint Arrestor**
Report#./Test#: **R769 T 869**
Report Date: **February 26, 2010**

Test Information

FILTER DESCRIPTION:(20"x20")

Paper on white poly. Pad

PAINT DESCRIPTION:

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

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

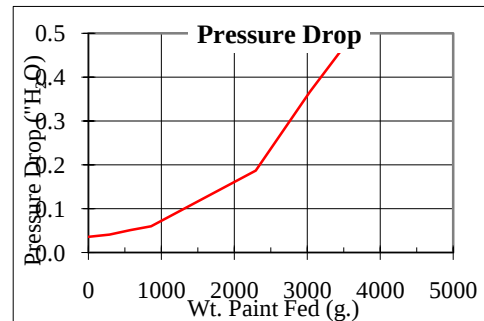
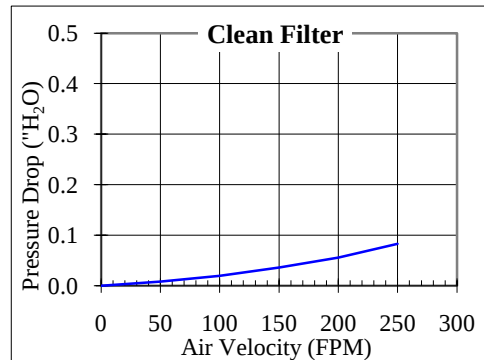
SPRAY FEED RATE:

143 gr./min.

135 cc./min.

AIR VELOCITY:

150 FPM



Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.04 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.50 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

2832 grams

PAINT HOLDING CAPACITY of TEST FILTER

2261 grams = **5.0** lbs.

PAINT RUN-OFF

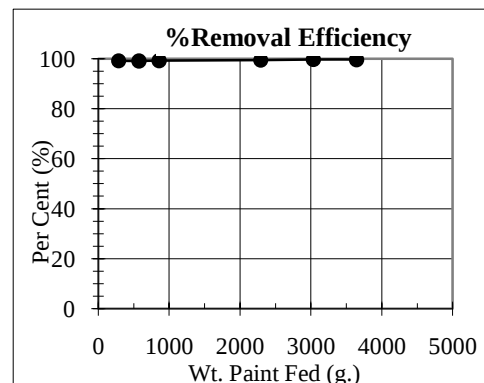
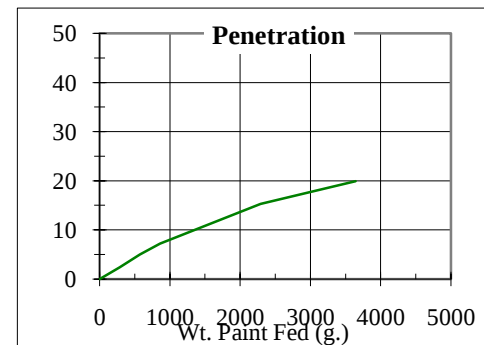
571 grams

WEIGHT GAIN on FINAL FILTER

19.9 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.30 %



Test Engineer: Todd Kruger

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