

PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

BASED ON 40 CFR PART 63 NATIONAL EMISSION STANDARD

Tested for: **Paint Pockets® Company**
Filter Mfr.: **Paint Pockets® Company**
Filter Name/Model: **PP Series (PP****)**
Report#./Test#: **R 042 T 079**
Report Date: **Jan. 8, 1997**

Test Information

FILTER DESCRIPTION:

Two layers, stiff poly w/large voids on soft poly pac

PAINT DESCRIPTION:

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

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

140 gr./min. **130** cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.08 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.30 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

4340 grams

PAINT HOLDING CAPACITY of TEST FILTER

3125 grams = **6.9** lbs.

PAINT RUN-OFF

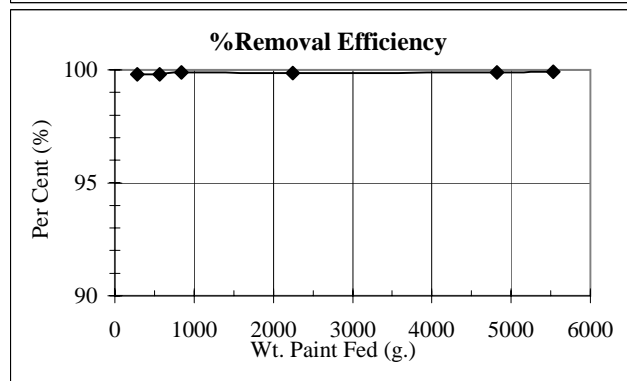
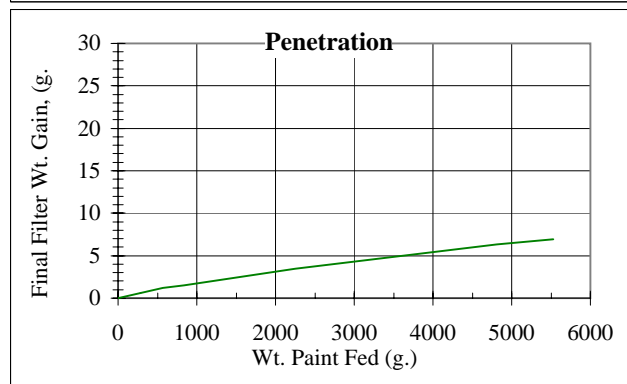
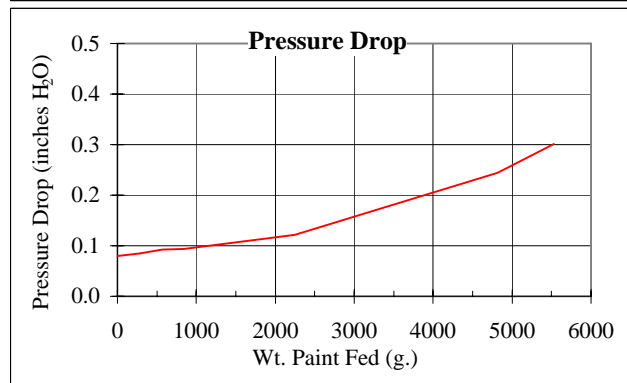
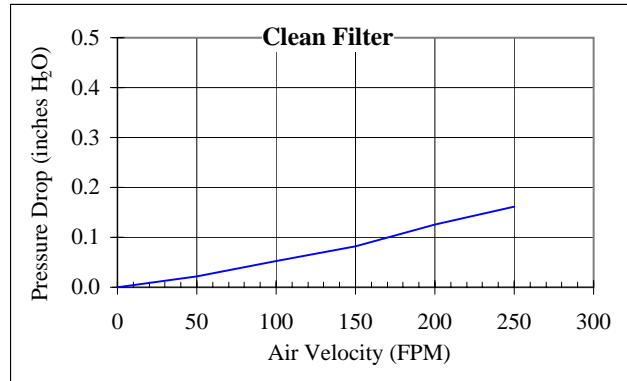
1215 grams

WEIGHT GAIN - FINAL FILTER

6.9 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.84 %



Test Engineer: P. Tuzinski

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

Air Velocity (FPM)	Pressure Drop (inches H ₂ O)
0	0.0000
50	0.0213
100	0.0531
150	0.0815
200	0.1256
250	0.1610

Wt. Paint Fed (grams)	Pressure Drop (inches H ₂ O)
0	0.0803
284	0.0850
566	0.0925
840	0.0933
2248	0.1209
4817	0.2437
5528	0.3008

Wt. Paint Fed (grams)	Gain cum. (grams)
0	0.0
284	0.6
566	1.2
840	1.5
2248	3.5
4817	6.3
5528	6.9

Wt. Paint Fed (grams)	Efficiency (per cent)
284	99.79
566	99.79
840	99.89
2248	99.86
4817	99.89
5528	99.92