

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

Based on CFR Part 63 National Emission Standard

Filter Name: **SPA2 Paint Arrestor**
 Filter Type: **2" thick poly media**
 Test Date: **May7, 2004**

Test Information

FILTER DESCRIPTION (20" x 20" pad)

PAINT DESCRIPTION:

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

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

138 gr./min. 130 cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.05 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.50 in. water

WEIGHT GAIN OF FILTER & TEST FRAME TROUGH

2281 grams

PAINT HOLDING CAPACITY of TEST FILTER

2118 grams = 4.7 lbs.

PAINT RUN-OFF

163 grams

WEIGHT GAIN - FINAL FILTER

6.8 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.70 %

Test Engineer: Todd Kruger

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

