

PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

Tested for: **Air Flow Technologies**
Filter Mfr.: **Air Flow Technologies**
Filter Name: **Series 99 Pad**
Report#./Test# **R 433 T 534**
Report Date: **12/03/03**

Test Information

FILTER DESCRIPTION (20" x 20" pad):

Red on white highloft poly pad

PAINT DESCRIPTION:

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

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

139 gr./min.

130 cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.07 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.50 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

1713 grams

PAINT HOLDING CAPACITY of TEST FILTER

1651 grams = 3.6 lbs.

PAINT RUN-OFF

62 grams

WEIGHT GAIN - FINAL FILTER

2.2 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.87 %

Note: the procedure used to demonstrate filter efficiency is consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992"

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**COMPLIANT
WITH 40 CFR
PART 63
SUBPART 6H
NESHAP**

