

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

Supplier: **Rohner Finishing Systems**
 Filter No: **COFL-EFBAFGS-48-300-02-I**
 Report#./Test#: **R 660/T 760**
 Report Date: **March 16, 2005**

Test Information

FILTER DESCRIPTION:

White/Green highloft fiberglass

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

0.02 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.14 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

3925 grams

PAINT HOLDING CAPACITY of TEST FILTER

1073 grams = **2.4** lbs.

PAINT RUN-OFF

2852 grams

WEIGHT GAIN on FINAL FILTER

47.1 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

98.81 %

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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PART 63
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