

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

Supplier: **Rohner Finishing Systems**  
 Filter No.: **COFL-EFBAFGU-42-300-02-I**  
 Report#/Test#: **R 661/T 761**  
 Report Date: **March 16, 2005**

**Test Information**

**FILTER DESCRIPTION:**

White/Yellow 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**

**0.11** in. water

**WEIGHT GAIN on TEST FILTER & Test Frame Trough**

**4038** grams

**PAINT HOLDING CAPACITY of TEST FILTER**

**1173** grams =                      **2.6** lbs.

**PAINT RUN-OFF**

**2865** grams

**WEIGHT GAIN on FINAL FILTER**

**39.4** grams =                      **PENETRATION**

**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**

**99.03** %

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**

