

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

Supplier:  
 Filter No.:  
 Report#/Test#  
 Report Date:

**Rohner Finishing Systems**  
**COFL-EFPKPOS-24-66-00-I**  
**R 611/T 711**  
**June 14, 2004**

**Test Information**

**FILTER DESCRIPTION:**

█ Poly 2-pkt. Bag ( white top & green back)

**PAINT DESCRIPTION:**

█ High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

**PAINT SPRAY METHOD:**

█ Conventional Air Gun at 40 PSI

**SPRAY FEED RATE:**

█ **132** 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**

█ **0.08** in. water

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

█ **4811** grams

**PAINT HOLDING CAPACITY of TEST FILTER**

█ **3108** grams =                      **6.9** lbs.

**PAINT RUN-OFF**

█ **1703** grams

**WEIGHT GAIN on FINAL FILTER**

█ **51.3** grams =                      **PENETRATION**

**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**

█ **98.94** %

**Efficiency if calculated with 400 grams backspill is 92.04%**

Test Engineer: Todd Kruger

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

