

# Mini-Mesh



**TROY FILTERS, LTD.**

ENVIRONMENTAL FILTRATION MANUFACTURING

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# superior filtration... environmental conscience™

## Mini-Mesh

### PAINT OVERSPRAY COLLECTORS

#### Product Details

- **STANDARD:** Six (6) layers of progressively fine baffled mesh expanded paper
- **HIGH-CAPACITY:** Eight (8) layers of progressively fine baffled mesh expanded paper
- **SUPRA I:** Five (5) layers of progressively fine baffled mesh expanded paper, backed with one (1) layer of dense polyester
- **SUPRA I HIGH-CAPACITY:** Seven (7) layers of progressively fine baffled mesh expanded paper, backed with one (1) layer of dense polyester
- **SUPRA II:** Five (5) layers of progressively fine baffled mesh expanded paper, backed with one (1) layer of less dense polyester
- **SUPRA II HIGH-CAPACITY:** Seven (7) layers of progressively fine baffled mesh expanded paper, backed with one (1) layer of less dense polyester

#### Performance Data

Airflow (Velocity) FPM	Standard & Standard Mini-Mesh (Tested with two pads in tandem.)	High-Capacity Mini-Mesh (Tested with two pads in tandem.)	Supra I & II Mini-Mesh (Range) (Tested with one pad only)
100	.015	.015	.040-.050
150	.025	.025	.065-.095
200	.045	.040	.105-.135
250	.065	.060	.150-.180
300	.100	.095	.200-.250
350	.135	.125	.230-.310

NOTE: Tests were conducted using a modified ASHRAE STANDARD 52-76 test apparatus and procedures. Test media size consisted of 20" x 20" pads held in a frame/gnd module just as it would be used in the field. Overspray was 100% from an air atomizing gun with the air velocity of 150 fpm.  
These results were gained using Standard or High-Capacity Mini-Mesh collectors in tandem. Only the front pad is loaded and require changing each time. Bear in mind that as loadings increase and the rates will vary. All test results. These ranges should be used as a guideline to verify actual performance. A test on the specific coating should be conducted by the manufacturer using the ASHRAE test apparatus and procedures.

COATING TYPE	EXPECTED EFFICIENCY RANGE (%)	EXPECTED HOLDING CAPACITY (LBS.) @ 5" W.C.
<b>STANDARD &amp; STANDARD MINI-MESH OVERSPRAY COLLECTORS*</b>		
Air-dry Enamel	95.0-98.0%	2.30-2.70
Bake-dry Enamel	95.5-98.5%	4.10-4.40
Lacquer	87.0-90.0%	1.20-1.50
Primer	93.0-95.0%	7.00-7.50
Waterborne Enamel	95.0-98.0%	3.50-3.80
<b>HIGH-CAPACITY MINI-MESH OVERSPRAY COLLECTORS*</b>		
Air-dry Enamel	95.0-98.0%	4.80-5.20
Bake-dry Enamel	97.0-99.0%	7.80-8.40
Lacquer	87.0-90.0%	1.50-1.80
Primer	93.0-95.0%	10.00-12.00
Waterborne Enamel	95.0-98.0%	6.80-7.20
<b>SUPRA I MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS</b>		
High-Solids Bake Enamel	99.7-99.9% +	5.30@ 25"W.C.
Waterborne Bake Enamel	95.5-99.5%	4.20@ 50"W.C.
<small>(Tests conducted using one layer of filter media only)</small>		
<b>SUPRA II MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS</b>		
High-Solids Bake Enamel	95.5-99.5%	5.80@ 20"W.C.
Waterborne Bake Enamel	97.5-99.0%	4.50@ 50"W.C.
<small>(Tests conducted using one layer of filter media only)</small>		
<b>HIGH-CAPACITY SUPRA I &amp; II MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS</b>		
High-Solids Bake Enamel	98.5-99.9% +	9.40@ 20"W.C.
Waterborne Bake Enamel	97.5-99.0%	7.80@ 50"W.C.
<small>(Tests conducted using one layer of filter media only)</small>		



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