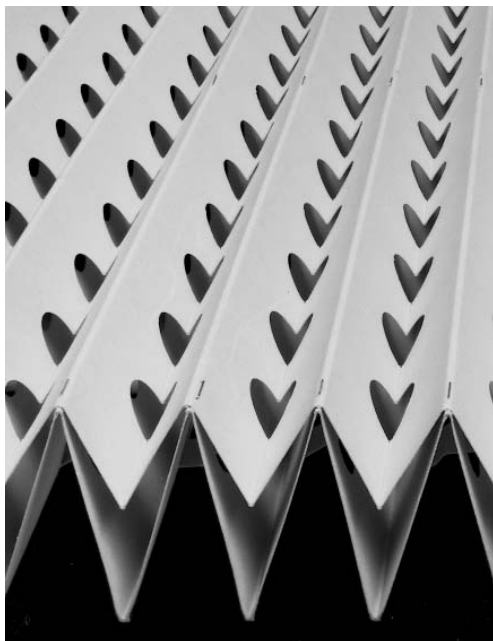


Booth Filters & Accessories

Binks AF Filter™

Improved Performance and Lower Operating Costs For Spray Booths



The Binks AF Filter delivers important benefits to spray booth operators applying most industrial coatings and adhesives. The accordion style, pleated construction captures overspray efficiently, lasts three to five times longer than ordinary dry filters, and contributes to an improved working environment.

Reduced Operating Costs

High overspray holding capacity provides longer intervals between filter changes.

- Fewer filters to dispose of means lower disposal cost
- Fewer filters to buy and inventory, reduces investment costs
- Less maintenance labor costs
- Fewer work interruptions boosts productivity

Pleated construction facilitates collapsing the filter for storage and disposal, minimizing handling costs.

Nearly constant static pressure drop over the life of the filter produces nearly uniform booth ventilation.

- Increases paint mileage and lowers material costs
- Improves working environment
High filtering efficiency reduces work chamber, blower and stack maintenance.

User Friendly

- Built in expansion limiter insures proper performance
- Just two pieces required for most standard booths reduces installation time and cost
- White face reflects light to improve painter visibility

Compatibility with Coatings

- Low, medium and high solids solvent based thermoset
- Most low, medium and high solids solvent based air dry
- Low, medium and high solids water based thermoset and air dry
- All types of plural component coatings
- Most industrial adhesives
- Fiber-filled and bituminous materials
- Not recommended for use with coatings that may dry before reaching the filter

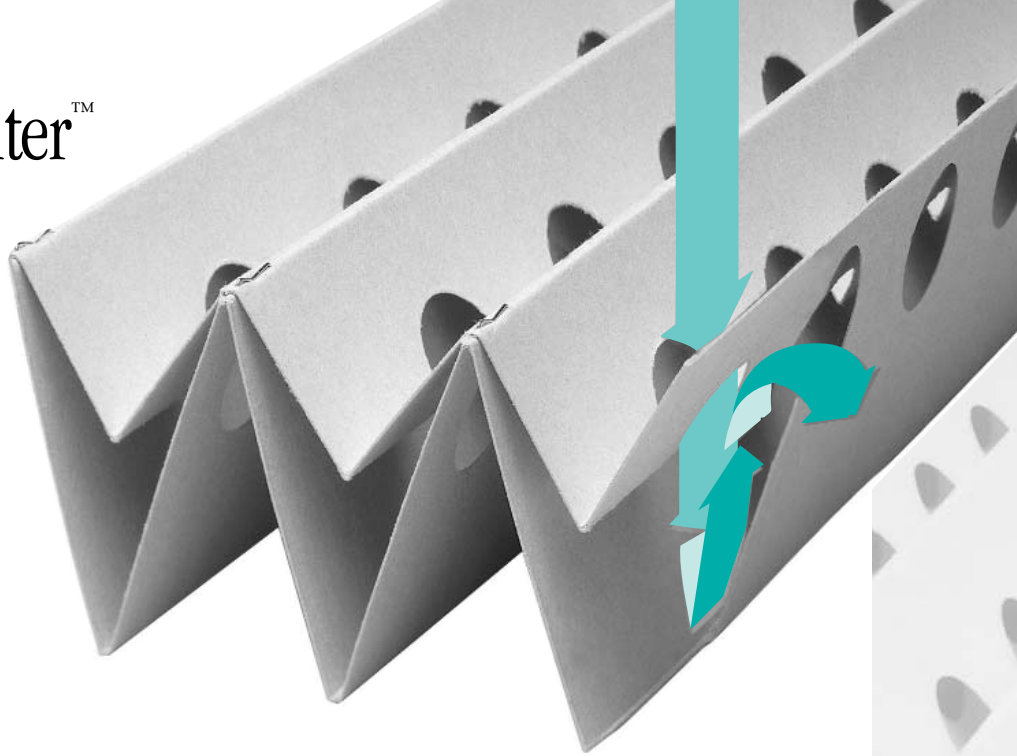
Environmentally Friendly

- Biodegradable and incineratable
- Collapsible to minimize disposal bulk and associated costs
- Manufactured from recycled paper

Binks AF Filter™

How It Works:

Binks AF Filter utilizes a combination of impingement and inertial separation to capture the overspray droplets suspended in the air stream passing through it. The larger droplets tend to impinge on and be retained by the front surface of the filter. The accelerating air stream carries the overwhelming majority of the mid-sized and smaller droplets through the network of circular holes distributed across the face of the filter. The forward momentum of the rapidly moving droplets separates them from the air stream which makes two quick, violent directional changes immediately after penetrating the front surface of the filter. The overspray droplets are driven into the deep interior "V" pockets formed by each filter pleat. In heavy spraying installations, slow drying and theroset coatings may accumulate to the point they drain or run down the front face of the filter further extending the functional life of the AF filter.



Technical Data:

- Average Capturing Efficiency — 97.14% @ 150 FPM, w. high solids baking enamel. (Actual efficiency is a function of the coating being sprayed and the associated operating conditions)
- Recommended Average Air Velocity — 100 - 200 FPM
- Nominal Pressure Drop @ 150 FPM — 0.15 inch W.C.
- Maximum Pressure Drop — 1 inch W.C. with center support; 0.5 inch without
- Filter Size (Expanded): — 30 ft. x 3 ft. x 2.5 in (90 sq. ft. of effective surface area)
- Expansion — Limited by permanently attached straps to 8 pleats per foot

LMS Technologies, Inc.
4570 West 77th Street, Suite 102 Edina, Minnesota 55436 U.S.A. Tel: (612) 832-5353 Fax: (612) 832-5354

Report# 042
Test# 079

PAINT ARRESTANCE FILTER TESTING
Spray Removal Efficiency & Paint Holding Capacity

COMPANY NAME: Binks Manufacturing Test Performed by: Don Gerdes

Test Information
 FILTER MANUFACTURER: Binks Manufacturing
 FILTER NAME: AF Filter
 FILTER MODEL NO: 29-359
 FILTER DIMENSIONS: 20" H x 20" W x 2.25" D (inches) H W D (cm)
 FILTER DESCRIPTION: dbl. pleated cardboard, vertical, w/holes, 8 pleats/ft
 (13 open pleats across test frame)
 PAINT DESCRIPTION: #1 High-Solids Permaclad (Sherwin Williams H67FC65 Permaclad 2400, Solvent-based Polyester Baking Enamel, Bon Red) 1.08 grams/cc

PAINT DENSITY
 Test Conditions: 5.5 oz/40 min. 140 gr/min. 130 cc/min
 PAINT SPRAY FEED RATE (equiv): 71 °F 22 °C
 AIRFLOW RATE (equiv):
 PAINT TEMPERATURE (equiv): 0.1476 in. H₂O 3.75 mm.H₂O
0.21 in. H₂O 5.4 mm.H₂O

Test Results
 INITIAL PRESSURE DROP of Clean Test Filter: 119.0 grams
 FINAL PRESSURE DROP of Loaded Test Filter: 4158 grams
 WEIGHT GAIN - FINAL FILTER: 1.8 pounds 805 grams
 WEIGHT GAIN on TEST FILTER & Test Frame Trough: 3358 grams
 PAINT HOLDING CAPACITY of TEST FILTER: 97.1 %
 PAINT RUN-OFF:
 AVERAGE REMOVAL EFFICIENCY of TEST FILTER:

Date: Jan. 8, 1997
 Test Lab Supv.: P. Tuzinski
 Approving Engineer: K.C. Kerol, Ph.D.

PRODUCT NUMBER	BINKS AF FILTER DIMENSIONS	SHIPPING WEIGHT (POUNDS)
29-2186-3	3' x 30' 3 Pack only	63

Independent test lab report

Spray Booth Products: Exhaust filters-Floor & Wall Coverings

Protects Paint Spray Booth Floors and Walls from Overspray

Exhaust Filters

Value priced high performance paper for medium to high volume applications

- Slit and expanded paper designs
- Economically handles all overspray requirements
- Larger openings on intake side than exhaust side
- Depth loading for maximum service life
- Media does not irritate workers
- Quicker filter changes

PRODUCT NUMBER	FILTER DIMENSIONS	NUMBER OF FILTERS PER CASE	SHIPPING WEIGHT (POUNDS)
29-158	20" x 25"	70	16
29-159	20" x 20"	70	13
CONSTRUCTION - 6 Layers of Paper			



Floor & Wall Covering

“Binks Flame-a-Guard™”, Flame Retardant Paper - Floor Covering

- White surface aids in spray booth illumination
- Allows fast, easy booth clean-up – no scraping, stripping, or scrubbing
- Virtually eliminates tracking of paint from spray booth to other plant areas
- Reduces fire hazard potential due to accumulation of paint overspray
- Maximum durability even where dollies, fork lifts, or other heavy equipment is utilized

PRODUCT NUMBER	FLAME RETARDANT PAPER ROLL DIMENSIONS	SHIPPING WEIGHT- (lbs.)
29-863	36" x 300"	26
29-864	42" x 300"	30
29-865	60" x 300"	43
29-866	72" x 300"	52

BoothCoat™ Peelable Coatings for Paint Spray Booth Walls

Peelable, non-flammable, white wall coating.

- Water based
- Easy on – sprays on in minutes
- Easy off – peels off in sheets
- Fast drying
- Reduces costly clean-ups and downtime
- Visibility enhancing bright white
- Excellent coverage per gallon
- For wet, dry, and powder booths

BOOTH COAT PRODUCT NUMBER	BOOTH COAT PRODUCT DESCRIPTION	SHIPPING WEIGHT (POUNDS)
29-248	1 Gallon Cans: Dries Clear	10
29-249	Five Gallon Pails: Dries White	55



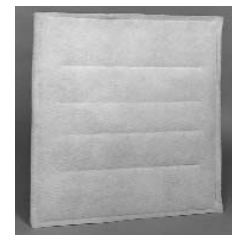
Tight-Seal™ Intake Filter Panel

Top Grade Two-Ply Filter Panels to Trap and Securely Hold Dust in Place.

Tacky intake filter panels for mixing rooms and cross-draft and semi-downdraft spray booths.

- Two-ply panel, Nominal 1" thickness
- Tacky pressure sensitive adhesive
- Polyester media securely heat sealed around an internal wire grid
- Wire grid reinforced with two cross wire supports
- Four internal parallel heat-seals to eliminate filter fluttering
- Green air leaving side

PRODUCT NUMBER	FILTER DESCRIPTION	FILTER DIMENSIONS	NUMBER OF FILTERS PER CASE	SHIPPING WEIGHT (POUNDS)
29-486	Tight Seal Filter Panel	20" x 20" x 1"	20 per Case	15



Millennium Series Respirators

Superior Protection against Organic Vapors, Fumes, Dusts, and Mists

Millennium 3000 – Premium Paint Spray Respirator

Breathe easier with the Binks Millennium 3000 – a premium charcoal filter respirator. Ready-to-use right out of the box, the Millennium 3000 combines superior comfort with the fit, durability, and protection of a conventional half-mask respirator. Designed with finishing professionals in mind, the Millennium 3000 features:

- Heavy duty silicone and metal face-piece for increased durability and comfort
- Adjustable, heavy duty straps and head band
- Maximum serviceability – fully serviceable with a Binks Tune-Up Kit
- Extended life – withstands repeated cleanings and exposure to paints and solvents without deterioration

Millennium 2000 – Classic Paint Spray Respirator

For economical protection against organic vapors, fumes, dusts, and mists, try the Binks Millennium 2000 – a value-priced charcoal respirator. Ready-to-use right out of the box, the Millennium 2000 provides the fit and comfort of a traditional respirator and protection from paints and solvents. The value-priced Millennium 2000 is a good choice when convenience and value are important considerations.

Both the Binks Millennium 3000 and Millennium 2000 Respirators meet 42 CFR Part 84 Standards.

Binks Tech Tip . . .

When should cartridges and filters be replaced?
The service life of cartridges and filters depends on several factors including breathing rate/volume, concentration of contaminants, temperature, and humidity.

- Replace chemical cartridges when you detect odor or taste of vapors, or when you experience eye, nose, or throat irritation.
- Replace pre-filters or filters when you experience increased resistance to breathing.

Warning! Binks Millennium paint spray respirators are not to be used with urethane paints or other paints containing di-isocyanates. Di-isocyanates have a low odor threshold and are not easily detectable by smell. A dangerous level of di-isocyanates can break through a charcoal filter cartridge before the user is able to smell it. Painters using such paints must use an air-supplied respirator.



PRODUCT NO.	PRODUCT DESCRIPTION	CASE QUANTITY	INNER PACKS
Millennium 3000 Respirator Units			
40-141	Millennium 3000 – SMALL	10	1 per Clam Shell
40-128	Millennium 3000 – MEDIUM	10	1 per Clam Shell
40-143	Millennium 3000 – LARGE	10	1 per Clam Shell
Millennium 3000 Replacement Cartridges & Pre-Filters			
40-1921-10	Filter Cartridge, Organic Vapor	20	2 per Blister Card 10 Blister Cards per case
40-1924-10	Pre-Filter, Oil Resistant (Use with 40-1925 Covers)	100	10 per Blister Card, 10 Blister Cards per case
Millennium 3000 Accessories			
40-1925	Filter Cartridge Covers (Use with 40-1924-10 Pre-Filters)	20	2 per Blister Card, 10 Blister Cards per case
40-1928	Tune-Up Kit for Millennium 3000 Respirator Unit: (Contents: Cradle Headband, R&L Neckstraps, 2 Inhalation Valves, 2 Cartridge Gaskets, Exhalation Valve & Cover)	10	1 per Poly Bag 10 Poly Bags per case

PRODUCT NO.	PRODUCT DESCRIPTION	CASE QUANTITY	INNER PACKS
Millennium 2000 Respirator Units			
40-1929	Millennium 2000 – SMALL	10	1 per Clam Shell
40-1930	Millennium 2000 – MEDIUM	10	1 per Clam Shell
40-1931	Millennium 2000 – LARGE	10	1 per Clam Shell
Millennium 2000 Replacement Cartridges & Pre-Filters			
40-1932-10	Filter Cartridge, Organic Vapor	20	2 per Blister Card 10 Blister Cards per case
40-1935-10	Pre-Filter, Oil Resistant (Use with 40-1936 Covers)	100	10 per Blister Card, 10 Blister Cards per case
Millennium 2000 Accessories			
40-1936	Filter Cartridge Covers (Use with 40-1935-10 Pre-Filters)	20	2 per Blister Card, 10 Blister Cards per case

Sales and Service
Through a Nationwide Network of Industrial Distributors



North American Office

ITW Industrial Finishing
Binks
195 Internationale Blvd.
Glendale Heights, IL 60139
630-237-5000
Fax 630-237-5011
www.binks.com

Customer Service
1-800-992-4657

Technical Support
1-888-992-4657

