



Supraloft™ FILTERS



for your spray booth
and HVAC applications:

- **single and linked panels**
- **tackified filter medias and pocket filters**
- **tackified diffusion pads, panels and rolls**



Performance Engineered Air Filter Products

C Columbus
Industries, Inc.

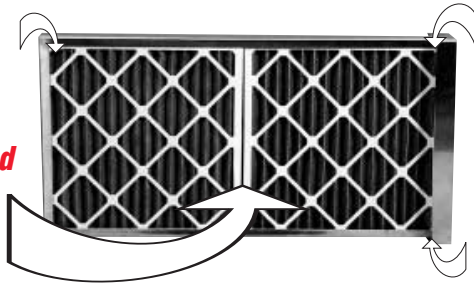
Single and Linked Panels

SupraLoft™

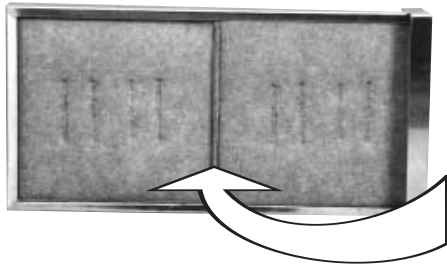
- **Self-sealing, continuous linked panels eliminate air bypass inside access housings and frames.**
- **Increased dust holding capacity due to depth-loading characteristics.**
- **Simplify filter changeout – clean, quick and efficient!**



Area of air bypass in non-linked panels



Continuous linked panels ELIMINATE air bypass areas



Product	Description	Application
SL1	2-ply dry media with one support wire	General HVAC and paint overspray collection
SL2	2-ply dry media	General HVAC and paint overspray collection
SL3A	2-ply with external tackifier	For use as air intake filters in cross-flow paint booths and general HVAC
SL4	3-ply with internal tackifier	Best all-around panel for commercial and industrial HVAC

*SL-R1, SL-D5 & SL-D single and linked diffusion panels also available (see back cover)

Check out these CI Supraloft panel filter advantages:

- Listed UL Class 1
- Multiple layers of progressive density media provide optimum depth loading and extended service life
- 1/4" heat seal increases integrity and stability
- 9-gauge galvanized internal wire frame with two cross members (except SL-1) offers excellent support and elimination of filter collapse, prevents dust and dirt from entering the system due to pulsating surfaces and eliminates contamination due to rust
- Linked panels provide uninterrupted filter area eliminating air bypass inside access housings and frames
- Changeout is clean, quick and efficient resulting in reduced labor costs
- Conveniently packaged in boxes of 24 individual panels or 24 continuous linked panels for multiple applications or installation configurations
- Friction fit eliminates the need for additional hardware or holding devices
- Self-sealing media (no chipboard frame) allows filters to retain shape in high humidity environments
- Withstands a wide range of temperatures
- Manufactured using post-consumer goods (no fiberglass fibers) for a safer work environment and easier handling

Tackified Filter Medias and Pocket Filters



CI Supraloft tackified media advantages:

- Non-migrating tackifier
- Available in rolls or pads
- Listed UL Class 1 & 2

CI pocket filters are developed for the overspray industry with the following advantages in mind:

Product	Description	Application	Dust Spot Efficiency
SL-DP1	2-ply, constructed of a very fine fiber size (denier) with a seared backing	Secondary filter designed to yield ultra-high efficiencies on coatings where the overspray strikes the filters in a tacky or semi-tacky state. For use where efficiency is the primary concern	30%
SL-DP2	Single ply with scrim backing for durability, constructed of larger denier fibers (compared to the DP-1)	Secondary filter designed to provide high efficiency and higher holding capacity when used on a wide range of coatings	20%



- Extended surface area yielding longer service life, therefore it has to be changed less often
- Extended surface area results in lower resistance to airflow
- Extended surface area allows the use of an ultra-high efficiency media
- The medias have a graduated density to ensure depth loading
- The use of a wire support ring gives the product dimensional stability and provides a positive seal within the frame

- The pockets and panels easily fit the same frames our overspray collection pads presently utilize, making installation and replacement very easy
- Longer life is further enhanced by the overspray loading in the back of the pocket first, thus allowing the remaining media to breathe for an even longer period of time than if the same area of media were in a flat panel
- Custom sizes and various pocket configurations are available if volumes justify

Product	Description	Application
SL-50WT	1/2" nominal thickness, 2-ply, dual denier, white polyester media with light, non-migrating tackifier on the downstream side	General HVAC, paint booth air intake and paint exhaust
SL-100WT	1" nominal thickness, 2-ply, dual denier, white polyester media with light, non-migrating tackifier on the downstream side	General HVAC, paint booth air intake and paint exhaust
SL-150WT	1-1/2" nominal thickness, 2-ply, dual denier, white polyester media with light, non-migrating tackifier on the downstream side	General HVAC, paint booth air intake and paint exhaust
SL-175LBT	1-3/4" nominal thickness, 2-ply, dual denier, white polyester media with a slightly heavier, non-migrating tackifier on the downstream side for increased dust holding capacity	General HVAC, paint booth air intake and paint exhaust

Tackified Diffusion Pads, Panels and Rolls



- **Reduce rejects**
- **Lower costs**
- **Improve quality**

Columbus Industries has been engineering, manufacturing and distributing the highest quality air filtration products for over 30 years. In addition to the company's comprehensive line of the highest quality non-woven air filters and overspray collectors, Columbus Industries also offers the industry's performance-leading line of Supraloft diffusion media.

- 99.99996% efficiency on 10-35 micron particles (SL-100D)
- Creates an evenly-diffused airflow pattern throughout the booth
- Exclusive manufacturing process ensures unequaled product uniformity and quality
- Use of only high-quality, multi-denier polyester fibers
- Uniform thickness
- Latest European manufacturing process
- Wide variety of sizes, lengths and widths
- CI-Supraloft™ logo and product name printed on the media ensures you maintain the most consistent, high-quality filtration system

Technical Specification Sheet — Product: SL-100D	
Color:	White
Thickness:	1.0" - Variance .125"
Weight:	60 grams per sq. ft. +/-4 grams
Initial Resistance @ 100 FPM	.25" - .30" w.g.
When tested at a flow rate of 100 FPM and a dust fed rate 300,000/m ³ of 10-35 micron particles fused aluminum oxide, the number of 10 micron particles detected per m ³ on the downstream side shall be 10 or less.	

*CI offers additional tackified medias that are manufactured with an environmentally-friendly, dye-free process including use of post-consumer materials.

Product	Description	Application
SL-D Single and Linked Panels and Pads	1" white, 2-ply, tackified, self-sealing polyester diffusion panel with a laminated backing	Use as an effective diffusion panel in a down-draft spray booth operation
SL-D5 Single and Linked Panels	5/8", 2-ply, white, tackified, polyester diffusion media with a laminated backing	Use as an effective diffusion media in a down-draft spray booth operation where a lower initial static pressure is required
SL-R1 Single and Linked Panels	1/2" scrim backed, tackified media	Scrim back provides increased efficiency over standard tackified media with virtually no fiber migration
SL-100D Pads and Roll Media	1" white, tackified, polyester diffusion media with a laminated backing	Use as an effective diffusion media in most original down-draft spray booth operations
SL-50D Pads and Roll Media	5/8", 2-ply, white, tackified, polyester diffusion media with a laminated backing	Use as an effective diffusion media in a down-draft spray booth operation where a lower initial static pressure is required
SL-40R1 Rolls	1/2" scrim backed, tackified media	Scrim back provides increased efficiency over standard tackified media with virtually no fiber migration

Test Results — Product: SL-100D		
Test Air Velocity Rate	100	ft./min.
Initial Resistance	0.28	in. w.g.
Air Temperature	75	°F
Relative Humidity	50	%
Filter Support Grid Rapping Rate	12	1/min
Test Dust	FUSED ALUMINUM OXIDE-PARTICLE SIZE RANGE 10-35 MICRONS	
Dust Fed Rate	300,000	part./m ³
Test Duration	120	min
Number of Particles 10 Microns and Larger Counted on Clean Air Side of Filter Media	10	part./m ³

AFTL testing, utilizing ASHRAE Standard 52.1-1992 Airflow-vs-Initial Resistance and the industry-accepted Particle Migration Test, proves Columbus Industries' Supraloft™ diffusion media provides optimum performance which surpasses the competition.

Locally stocked for your convenience by:



2938 State Route 752 • Post Office Box 257
 Ashville, OH 43103-0257 • Phone: (740) 983-2552
 Fax: (740) 983-3147 or (740) 983-4622
 Web Site: www.colind.com • E-mail: ci@colind.net