

Combining Excellent Acoustical Properties and Cost-Effective Installation

PRODUCT DESCRIPTION

Lapendary® Panels are large, unique acoustical banners hung in a loose catenary fashion or installed flush to the roof deck for a flat appearance with minimum festoon. The original Lapendary Panel was developed in 1987 by MBI in response to the growing demand for proper acoustics in today's larger indoor venues. Arenas and other multi-purpose facilities require a sound environment conducive to both athletic events and musical performances.

Lapendary Panels reduce reverberation time and sound intensity levels in harsh acoustical environments. This results in increased speech intelligibility, better communication and improved quality of sound systems, allowing your venue to become a multi-functional space.

The effectiveness and success of the Lapendary Panel can be seen in any of the 120+ arenas that chose world class acoustics from MBI Products Company.



ACOUSTICAL PERFORMANCE

PRODUCT MODEL	ABSORPTION COEFFICIENT						
	125	250	500	1000	2000	4000	NRC
4000P-2012-S (2" x 1.2# Core, Perf. PVC, Stiffeners)	0.90	1.06	1.02	1.10	1.15	1.22	1.10
4000PS-2012-S (2" x 1.2# Core, Solid PVC, Stiffeners)	0.85	1.04	1.03	1.06	0.69	0.42	0.95
4000P-4075-S (4" x 3/4# Core, Perf. PVC, Stiffeners)	1.31	1.11	1.14	1.17	1.15	1.19	1.15
4000P-2075-S (2" x 3/4# Core, Perf. PVC, Stiffeners)	1.09	0.97	0.92	1.05	1.00	1.11	1.00
4000S-2065-S (2" x 1.65# Core, Sailcloth, Stiffeners)	0.83	1.02	1.00	1.04	0.64	0.39	0.95
4000P-2065-S (2" x 1.65# Core, Perf. PVC, Stiffeners)	0.83	0.77	0.97	1.05	1.03	1.07	0.95
4000P-1010-S (1" x 1# Core, Perf. PVC, Stiffeners)	0.36	0.54	0.60	0.77	0.95	1.03	0.70
4000PS-1010-S (1" x 1# Core, Solid PVC, Stiffeners)	0.70	0.69	0.75	1.03	0.91	0.67	0.85

CODES & CERTIFICATES

- ★ Class A per ASTM E84 25/0/50
- ★ NRC 0.70 to 1.15 per ASTM C423-89
- ★ Light Reflectivity .20 to .80 per ASTM C523-68

We believe this information is the best currently available on the subject. It is subject to revision as additional knowledge and experience are gained. MBI makes no guarantee of results and assumes no obligation or liability whatsoever in connection with the use of this information. ©2016 MBI Products Company, Inc.

FOR MORE INFORMATION ON THESE PRODUCTS GO TO WWW.MBIPRODUCTS.COM

MBI Lapendary

TECHNICAL SUPPORT

- **Weight:** 0.25# - 1.5# per square foot.
- **Density:** 3/4#, 1#, 1.2#, 1.65#
- **Shape:** Rectangular
- **Fire Rating:** Lapendary meets Class A per ASTM E84 25/0/50

SIZES AVAILABLE

- Standard sizes 4' wide x length up to 40'
- Custom sizes in widths up to 4' and lengths up to 40'
- Thickness of 1" through 4"

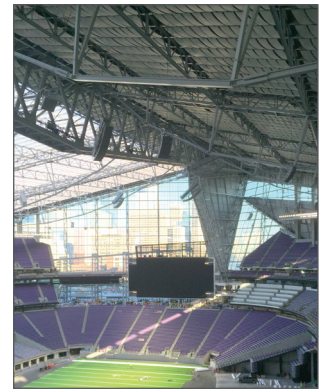
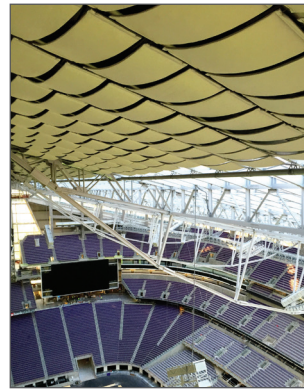
FINISHES AVAILABLE

- PVC Film, Perforated and Solid (see color card)
- Sailcloth, Nylon Ripstop (see color card)
- Polyester Fabrics
- Other Fabrics, subject to approval

SUSPENSION PROVISIONS

- Anodized Aluminum Stiffener/Gripper Bars
- Washer Plates for direct attachment, painted to match
- Cable, Crimps, Clamps, and Turnbuckles

Caution: Lapendary® Panels require custom engineering since every interior space is different. Please consult MBI for assistance when specifying Lapendary® Panels. Lapendary® Panels are made from an inherently soft fiberglass core so some transverse wrinkling in the PVC finish is common and unavoidable.



Lapendary panel, 4000P PVC wrapped, aluminum stiffener/gripper bar



Lapendary Panel, 4000S Sailcloth Wrapped, Aluminum Stiffener/Gripper Bar

GENERAL NOTES

- Store products in a cool, dry and temperature controlled interior location not less than 40°F prior to, during and after installation.
- Store products out of direct UV sunlight.
- Store and protect products from the elements and from damage.
- Due to the nature of this product, some wrinkling and puckering is common and unavoidable.
- Field cutting is not recommended, but possible with instructions from manufacturer.
- Sailcloth is not recommended for high humidity or high UV areas.
- Suspension hardware is not to be pre-installed.
- Do not subject acoustical products to critical edge lighting without first consulting manufacturer.
- Before installing Lapendary panels, please request copies of installation drawings and details.
- Refer to "Keeping and Maintaining Your Lapendary Panels"

SOUND | experience

PIONEERS IN THE DESIGN AND MANUFACTURING OF ACOUSTICAL PRODUCTS FOR OVER 50 YEARS



Since 1965

INNOVATION FOR THE SOUND EXPERIENCE

WWW.MBIPRODUCTS.COM

801 Bond Street
Elyria, Ohio 44035-3318
t: 440.322.6500
fx: 440.322.1900