



ACOUSTICAL SURFACES INC.

123 Columbia Court North
Suite 201, Chaska, MN 55318

ASI-Invisible Blackout Encapsulated Absorptive Core

PRODUCT DESCRIPTION

Our Blackout encapsulated panel core will provide excellent acoustical performance while not absorbing any moisture, humidity or odor from the environment. The absorptive fiberglass media is encapsulated in a 1.8 mil PVC which is available in a number of color options. Blackout encapsulated panels are ideal for use in or behind perforated metal panels and tiles, as a backer for wood ceilings or linear wood applications.

The combination of cut to size pads and the elimination of plenum painting permits a fast and easy installation that results in earlier building completion dates. These core panels are easily removable where it is anticipated that repeated accessibility into the ceiling plenum will be necessary. We offer various thickness, core densities and panel sizes.



ASI-Invisible Blackout Encapsulated Absorptive Core Detail

Blackout core panel may be a great, cost effective, hassle-free option for your next project.

Acoustical Performance

PRODUCT MODEL	ABSORPTION COEFFICIENT - E 400 MOUNTING						
	125	250	500	1000	2000	4000	NRC
(1" x 1# Core, 1.8 mil PVC)	0.85	0.85	0.65	0.85	0.86	0.44	0.80
(1" x 1.5# Core, 1.8 mil PVC)	0.98	0.83	0.63	0.82	0.89	0.45	0.80
(1.5" x 1.5# Core, 1.8 mil PVC)	0.86	0.98	0.81	0.97	0.77	0.52	0.90
(2" x 3/4# Core, 1.8 mil PVC)	0.91	0.95	0.89	1.01	0.73	0.52	0.90
(1" x 6-7# Core, 2.5 mil PVC)	0.75	0.76	0.72	1.03	0.76	0.38	0.80
Type A Mounting							
(1" x 3# Core, 2.5 mil PVC)	0.07	0.31	0.76	1.12	0.68	0.26	0.70

CODES & CERTIFICATES

- ★ Class A per ASTM E84 25/0/50
- ★ Material will not rot, support mold, pick up odors, corrode metals, or disintegrate under vibration.

Blackout Encapsulated Absorptive Core



Blackout Encapsulated Absorptive Core Pad Detail



Blackout Encapsulated Absorptive Core Seam Detail

TECHNICAL SUPPORT

- **Weight:** 0.25# - 1.5# per square foot.
- **Densities:** 0.75#, 1#, 1.5#, 1.65#, 3#, 6-7#
- **Shape:** Natural, Square, Rectangular
- **Fire Rating:** Shadow-Coustic meets Class A per ASTM E84 25/0/50
- **Maintenance:** Materials selected provide easy maintenance, durability and abuse resistance.

SIZES AVAILABLE

- Standard sizes of 24" x 24", 24" x 48", 30" x 30"
- Custom sizes in widths up to 4' and lengths up to 40'
- Thickness of 1" - 6"

FINISHES AVAILABLE

- 1.8 mil Flat Black PVC
- 2.5 mil Embossed PVC - White, Beige, Gray, Black, Red, Yellow, Blue, Green, Burgundy
- 0.5 mil Clear PVC

SUSPENSION PROVISIONS

- Placed above metal or planked ceilings by others

INSTALLATION

- The acoustical system shall be installed only by an approved contractor.
- All work shall be completed in a workman like manner. All panels shall be properly installed and left in a clean, sanitary condition. Contractor shall remove and dispose of shipping containers and debris.
- MBI acoustical panels shall be located and spaced as detailed on reflected ceiling plans and/or detailed on the interior elevation drawings and as indicated on room finish schedule.

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.
- Do not subject acoustical products to critical edge lighting without first consulting manufacturer.



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CELEBRATING 35 YEARS - SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION SPECIALISTS!
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