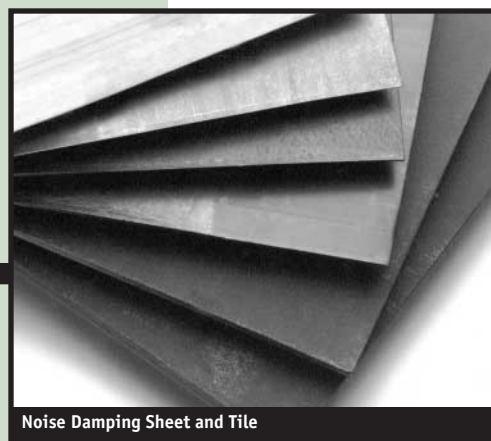


SOUNDSCREEN™ Noise Damping Sheet and Tile

a McGill AirSilence™ Product

Product Bulletin 4244

United McGill® products



Noise Damping Sheet and Tile

SOUNDSCREEN Noise Damping Sheet and Tile are Cost Effective

SOUNDSCREEN Damping Tile is made of an extruded polymer composite of vinyl and graphite which has superior damping performance. This versatile material is available in 0.035- through 0.580-inch thicknesses. The thin sheets can be inexpensively furnished in volume quantities, die cut with or without high-quality pressure sensitive adhesive backing. Thicker 1/4- and 1/2-inch tiles are exceptional noise damping treatments for steel plate and fabricated plate structures.

The 2- by 4-foot sheets of 0.062-inch-thick material with a bonded layer of SOUNDSCREEN Acoustical Foam form a unique acoustical liner. The foam absorbs reverberant noise, and the damping reduces radiated noise. See **Product Bulletin 4242, Acoustical Lining** for details.

Adhesive Application

Thicknesses up to 0.125 inches are available with an acrylic-based, pressure-sensitive adhesive backing (PSA). This PSA combines high initial tack and a high degree of permanence. Peel strength is a minimum 6 pounds/inch per ASTM-D903-49 test specification.

The preferred adhesion method for all thicknesses of tile are a 100 percent solids epoxy or a two-part urethane adhesive. To ensure a strong bond, follow the adhesive manufacturer's application instructions.

Typical resonating vibration noise applications:

- Fan and blower housings
- Equipment cabinets
- Ducts and pipes
- Machine tools
- Computer cabinets and consoles
- Doors and panels

Typical impact noise applications:

- Vibratory
- Chutes
- Parts tumblers
- Bins
- Conveyors

Our SOUNDSCREEN noise damping materials are a cost-effective means to eliminate the buzzing sound of vibrating sheet metal or the irritating ring of impact noise in conveyors, chutes, and bins.

Physical Properties

| | |
|-----------------------------|--|
| Density | 95 ± 5 lb/cu ft |
| Solids Content | 100 percent |
| Color | Black |
| Flame Retardance | Self-extinguishing (ASTM D-635) |
| Flame Point | In excess of 400°F |
| Oil and Water Resistance | Good (as per MIL-P-23653) |
| Appearance | Smooth surfaces with no foreign substances to hinder adhesion |
| Operating Temperature Range | Effective in the range from 35°F to 100°F, with maximum loss factor of 0.8 in the band from 65°F to 100°F. |

Product Availability

| Model | Thickness | Size |
|------------|-----------|-----------------|
| DM-035-1 | 0.035" | 12" x 12" tile |
| DM-062-1 | 0.062" | 12" x 12" tile |
| DM-125-1 | 0.125" | 12" x 12" tile |
| DM-375-1 | 0.375" | 12" x 12" tile |
| DM-500-1 | 0.500" | 12" x 12" tile |
| DM-625-1 | 0.580" | 12" x 12" tile |
| DM-035-2.5 | 0.035" | 12" x 30" sheet |
| DM-062-4 | 0.062" | 24" x 48" sheet |

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

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McGill AirSilence LLC

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