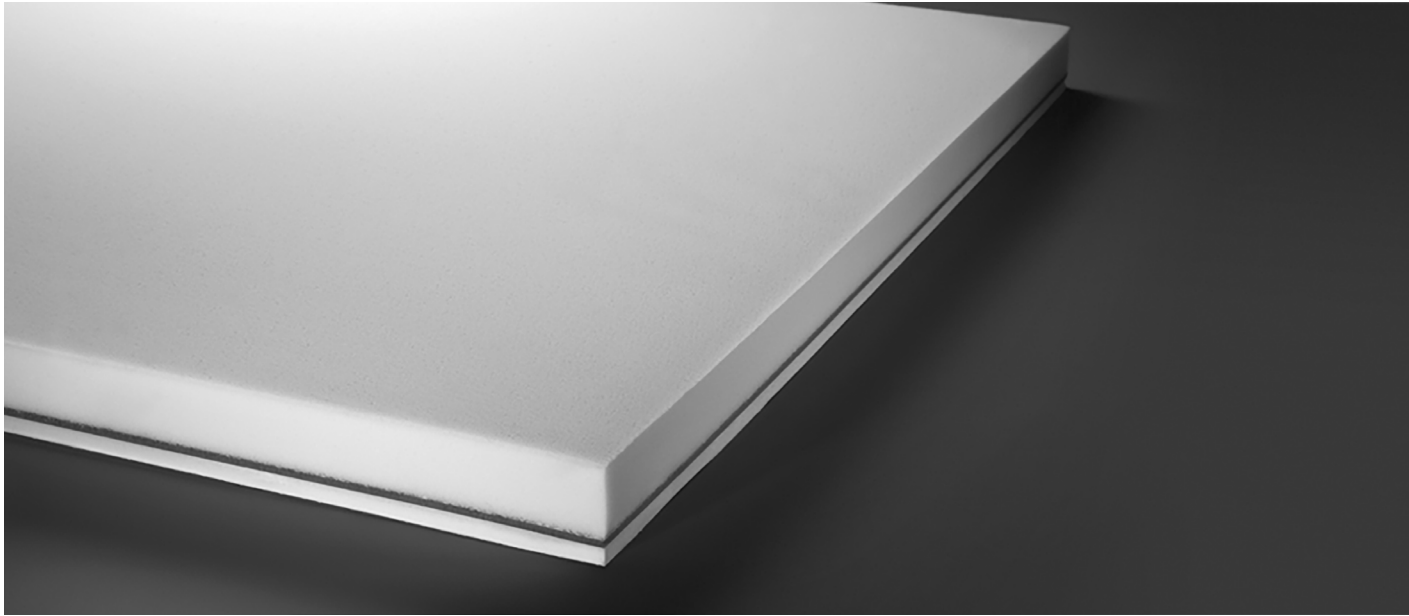


COMPOSITE SHEETS | SILENCER SERIES



TECHLITE® Composite Sheets

TECHLITE® Composite Sheets combine the benefits of both TECHLITE® Foam and the noise containment capabilities of a mass loaded vinyl barrier into one durable product. TECHLITE® Composite Sheets consist of a thick layer of TECHLITE® Foam to absorb and block high frequency noise along with a mass loaded vinyl barrier to block low frequency noise and reduce sound transmission. A foam decoupler layer is used to provide air space between the barrier and the mounting surface for optimal noise containment. This decoupler helps to isolate the barrier from vibrations in the wall or other mounting surface.

BENEFITS

- High STC rating
- Absorbs and reduces noise
- Very low-density / lightweight
- Excellent thermal properties
- PSA backing
- Easy to install

USES AND APPLICATIONS

- Machinery enclosures
- Gun range
- Mechanical rooms
- Around air compressors
- Between offices / production floor

PHYSICAL PROPERTIES

Material	TECHLITE® Flexible Open-Cell Melamine Foam	Mass Loaded Vinyl
Service Temp	-40°F to 350°F	-20°F to 180°F
Density	Light Grey 0.56 ± 0.09 lb/ft ³ White 0.47 ± 0.13 lb/ft ³	1 lb/ft ²
Fire Rating	Class A per ASTM E 84	MVSS302 Self Extinguishing UL 94-HF-1 Pass

SIZES/COLORS

- 24" x 48" x 1 3/8"
- Natural White
- Light Grey
- Other Color Options Available

Sound Absorption Coefficient [Sabins / ft ²]										
Finish	Thickness [in]	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	SAA	NRC	Mounting Type
Light Grey	1.375	0.08	0.25	0.85	0.86	1.00	1.08	0.74	0.75	A

Transmission Loss [dB]								
Finish	Thickness [in]	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	STC
Light Grey	1.375	14.00	16.00	20.00	27.00	33.00	39.00	25.00

Absorption results tested in accordance to ASTM C 423-09a

Transmission loss results tested in accordance to ASTM E 90-09a