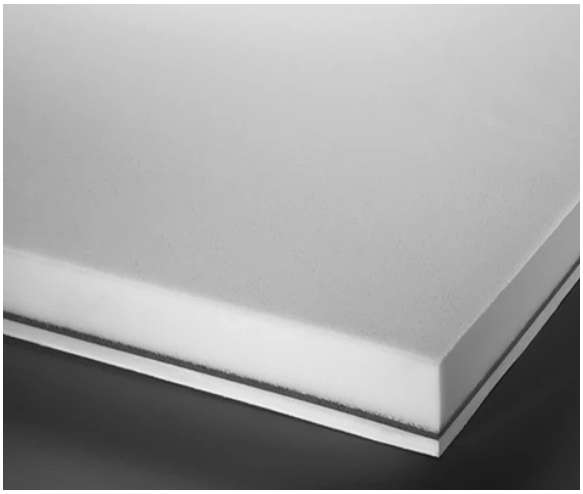
Memtech Acoustics

PROSPEC® Composite

Product Information



PROSPEC® Composite combines the benefits of WILLTEC™ acoustical foam and the noise containment capabilities of vinyl barrier. PROSPEC Composite is an attractive solution for absorbing and containing noise and vibrations in many different types of settings. The panels come standard with a convoluted surface and gray water-based acoustic coating for easy clean-up.

Physical Data—WILLTEC

Material	1" (25 mm) open-cell WILLTEC bonded to 1/8" (3 mm) loaded vinyl barrier with 1/8" (3 mm) WILLTEC decoupler layer
Surface Pattern	Sculpted, water based acoustic coated surface absorbs sound waves
Density	WILLTEC foam 0.7 pounds per cubic foot
Tensile Strength	8 PSI
Flame Spread and Smoke Density	Passes Class A per ASTM E84

Sound Absorption

Coefficients per ASTM C423-90a							
125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
0.13	0.60	0.81	0.97	1.00	0.90	0.85	B

Transmission Loss

ASTM E90-90						
125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	STC*
17	22	20	32	31	43	28

*Estimated

Materials

- WILLTEC™ acoustical foam with the noise containment capabilities of vinyl barrier.
- 1" (25 mm)-thick layer of water-based acoustic-coated WILLTEC foam to absorb noise.
- 1/8" (3 mm)-thick noise barrier to contain noise and reduce sound transmission.
- 1/4" (6 mm)-thick WILLTEC decoupler to provide air space between the barrier and the mounting surface for optimal noise containment. This decoupler helps to insulate the barrier from vibrations in the wall.

Applications

- Over substandard walls between manufacturing plant and offices
- Line thin enclosures around machinery, air compressors or similar noise sources
- In engine compartments
- Under machinery hoods



>> Advantages

- Smaller convoluted surface pattern
- Excellent acoustic absorption across all frequencies
- Lightweight panels are easily cut to fit on-site
- Ideal for machine enclosures and other applications requiring thinner panels

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