



PROSPEC® Composite

PROSPEC Composite combines the benefits of both willtec® acoustical foam and of the noise containment capabilities of vinyl barrier into one durable product:

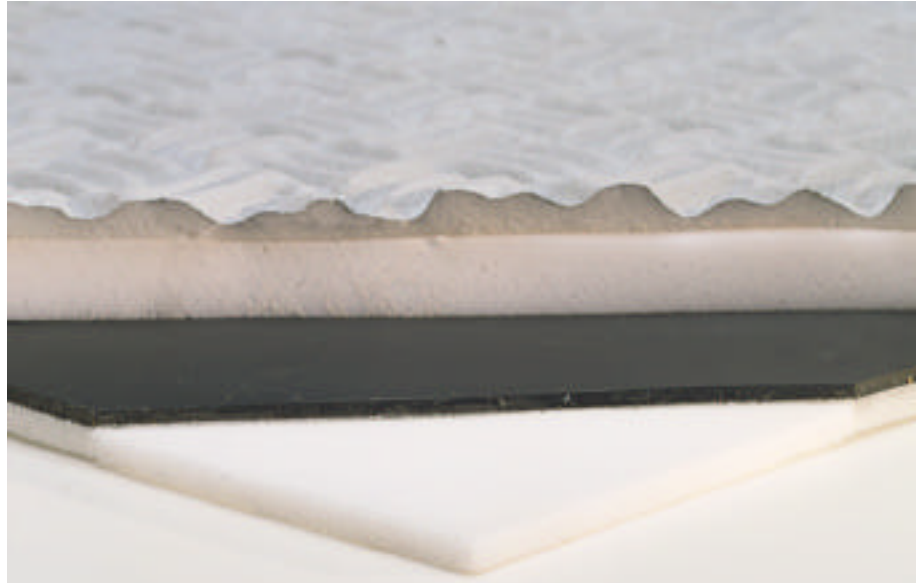
- A 1" thick layer of Hypalon-coated willtec foam, to absorb noise.
- A 1/8" thick noise barrier, to contain noise and reduce sound transmission.
- A 1/4" thick willtec decoupler to provide air space between the barrier and the mounting surface for optimal noise containment. This decoupler helps to insulate the barrier from vibrations in the wall.

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 Hypalon facing for easy clean-up. Rugged Tedlar facing is available to withstand harsher chemicals and cleaning. Aluminized Mylar is also available for special applications.

Typical Applications

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

PROSPEC Composite is also available in polyurethane foam. See separate product section.



Frequencies in Hertz	Transmission Loss
125	17
250	22
500	20
1000	32
2000	31
4000	43
STC**	28

**Estimated

Frequencies in Hertz	Sound Absorption Coefficients*
125	0.13
250	0.60
500	0.81
1000	0.97
2000	1.00
4000	0.90
NRC	0.85

*Type B Mounting

Product Specifications

Material:	1" open cell willtec bonded to 1/8" loaded vinyl barrier with 1/4" willtec decoupler layer
Surface Pattern:	Sculpted - Hypalon surface absorbs sound waves.
Density:	willtec foam 0.7 pounds per cubic foot
Tensile Strength:	8 PSI
Flammability:	ASTM E 84 Class 1
Flame Spread:	Hypalon Coated Foam - 25
Smoke Density:	Hypalon Coated Foam - 185