pinta acoustic

PROSPEC® Composite

Product Information

Applications

- Over substandard 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 combines the benefits of both willtec® acoustical foam and the noise containment capabilities of vinyl barrier into one durable product consisting of :

- 1" thick layer of HPC-coated willtec foam, to absorb noise.
- ⅛" thick noise barrier, to contain noise and reduce sound transmission.
- ¼" 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 HPC facing for easy clean-up. Rugged Tedlar® facing is available to withstand harsher chemicals and cleaning. Aluminized Mylar® is also available for special applications.

Physical Data

Material	1" open-cell willtec bonded to ⅛" loaded vinyl barrier with ¼" willtec decoupler layer
Surface Pattern	Sculpted – HPC-coated surface absorbs sound waves
Density	willtec foam 0.7 pounds per cubic foot
Tensile Strength	8 PSI
Flammability	Class 1 per ASTM E84
Flame Spread	HPC-coated Foam – 15
Smoke Density	HPC-coated Foam – 150

Frequencies Hz	ASTM E90-90 Transmission Loss
125	17
250	22
500	20
1000	32
2000	31
4000	43
STC**	28

***Estimated*

Frequencies Hz	ASTM C423-90a 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*

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