

AlphaPerf[®] Metal Acoustic Panel



DESCRIPTION

This AlphaPerf[®] Metal Acoustic Panel is a modular wall unit consisting of a metal frame surrounding a perforated metal skin, with encapsulated acoustical sound absorber. The perforated metal allows sound waves to enter the absorbing material where a portion is transformed from sound energy to heat.

AlphaPerf[®] Metal Wall Panels are used primarily as a sound absorber in potentially noisy environments such as gymnasiums, swimming pools, pump rooms, and industrial fabrication work areas.

TECHNICAL CHARACTERISTICS

- WIDTH:** 18", 24", & 30"
- HEIGHT:** 12" up to 144" (Flat)
12" up to 126" (V-Groove)
- THICKNESS:** 2" & 4"
- CONSTRUCTION:** 22 Gauge perforated galvaneal steel with acoustic fill encapsulated in black heat sealed polywrap
- PATTERN:** Flat or V-Groove
- FINISH:** Selection of RAL powder coated colors
- MOUNTING:** Flush or Stand-off. Various configurations available.
- NRC:** up to 1.25
- FIRE RESISTANCE:** Class 1 per ASTM E 84



AlphaPerf[®] Metal Acoustic Panel

SOUND ABSORPTION (Hz)								
2" nominal thickness, fill unwrapped								
Pattern	Mount	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
Flat	Flush	0.22	0.59	1.19	1.23	1.16	1.22	1.05
V-Groove	Flush	0.30	0.71	1.21	1.31	1.22	1.14	1.10
Flat	Stand-off	0.41	0.92	1.31	1.23	1.25	1.32	1.28
V-Groove	Stand-off	0.56	1.11	1.33	1.31	1.31	1.23	1.25

PRODUCT DETAILS

