

ACOUSTICAL AND THERMAL ENCLOSURE SPECIFICATIONS

Acoustical/thermal enclosures for fan housings, air intake or exhaust and other similar plenums are easily field erected using the AeroSonics double wall acoustical panel system. Structural strength, ease of installation, and excellent sound

absorption qualities make for a highly effective acoustical enclosure. Performance ratings are derived from independent certified test reports for transmission loss and sound absorption coefficients.

4" & 2" PANEL CONSTRUCTION FEATURES:

- 22 gauge galvanized exterior panel skins
- 22 gauge solid or perforated interior panel skins
- Optional gauge available up to 16 gauge
- Acoustical fill
- Septum panel construction available
- Stainless steel or aluminum construction available
- Access doors with optional view window
- All trim, screws, caulking, and complete assembly drawings provided

ASTM E-84 ratings for acoustical fill are:

- Flamespread 15
- Smoke developed 5

4" PANEL - ACOUSTICAL PERFORMANCE

Octave band	2	3	4	5	6	7	8
Center frequency, HZ	125	250	500	1K	2K	4K	8K
Transmission loss, dB	26	31	41	50	58	63	--
Sound absorption	0.76	1.41	1.32	1.15	1.11	1.00	--
STC class =	40			Noise reduction coefficient 0.95			
Heat transfer factor:	"U" = 0.06 BTU/hr./sq.ft./deg F						

The enclosure shall be self-supporting and able to withstand a differential pressure of 10" w.g. The panel shall not deflect more than L/240 of the longest span.