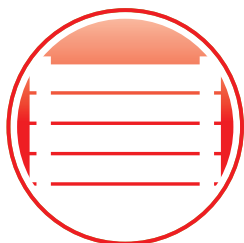


Noishield® Slimline Sound Barriers

Reduced Thickness & Face Mounting Capability for a Wider Range of Environments



IAC's Noishield Slimline consists of face or structure mounted panels that utilize existing support structures to allow installation from either the front or rear of the supporting elements. The reduced thickness (2.5") and face mounting capability allow the panels to be installed in a wider range of job environments, specifically when there is not enough room to lower the panels into the structural elements from above.

Standard Features Include:

- 2.5" thick panel
- 24" nominal width
- 12' maximum length
- Solid 16 ga, G90 galvanized steel
- Perforated 22 ga, G90 galvanized steel
- Powder coat finish available
- Hat channel trim used between adjacent stacks
- Z channel trim used on the end of panel



Typical Applications:

- Rooftop or ground mounted mechanical equipment screens
- Chiller, generator & compressor packages
- Transformer yards
- Utility substations
- Light-rail systems
- Highways
- Airports



Laboratory Rated Acoustic Performance
STC-28 to STC-30 / NRC 1.00



Excellent weather & corrosion resistance. Galvanized steel materials with powder coated finish applied post assembly. Fully non-welded construction to avoid damage to galvanized coating.



Free-standing, able to span supports of up to 12 feet depending on local codes & wind-speed requirements.

Acoustical Performance:

Noishield Slimline (Steel Construction)

| Octave Band Center Frequency, Hz | | | | | | | | Octave Band Center Frequency, Hz | | | | | | |
|--|-----|-----|----|----|----|----|-----|--|------|------|------|------|------|------|
| 125 | 250 | 500 | 1K | 2K | 4K | 8K | STC | 125 | 250 | 500 | 1K | 2K | 4K | NRC |
| Sound Transmission Loss (dB) per ASTM E 90 | | | | | | | | Sound Absorption Coefficients per ASTM C 423 | | | | | | |
| 21 | 34 | 40 | 33 | 32 | 26 | 37 | 30 | 0.30 | 1.05 | 1.07 | 1.01 | 0.96 | 0.88 | 1.00 |

Noishield Slimline (Aluminum Construction)

| Octave Band Center Frequency, Hz | | | | | | | | Octave Band Center Frequency, Hz | | | | | | |
|--|------|------|------|------|------|------|-----|--|------|------|------|------|------|------|
| 125 | 250 | 500 | 1K | 2K | 4K | 8K | STC | 125 | 250 | 500 | 1K | 2K | 4K | NRC |
| Sound Transmission Loss (dB) per ASTM E 90 | | | | | | | | Sound Absorption Coefficients per ASTM C 423 | | | | | | |
| 12.5 | 16.5 | 29.1 | 30.3 | 32.7 | 26.4 | 30.8 | 28 | 0.30 | 1.05 | 1.07 | 1.01 | 0.96 | 0.88 | 1.00 |

