



KNP

PERFORATED METAL ACOUSTICAL PANELS

THESE HIGHLY DURABLE ACOUSTICAL PANEL ABSORBERS ARE THE IDEAL SOLUTION TO AIRBORNE NOISE PROBLEMS IN DEMANDING ENVIRONMENTS.

Functional and aesthetically pleasing, **KNP Panels** are ideal for controlling reverberant noise problems in gymnasiums, natatoriums, and recreation centers. These highly durable panels are easy to install on walls or ceilings in a variety of ways.

KNP panels are constructed from galvanized steel or aluminum perforated facing. The facing is folded along the vertical edges and is reinforced at each end with solid channels. Each panel is filled with a 2" thick, glass fiber sound absorber encapsulated in a heat sealed poly vinyl bag.

The perforated metal face is powder coat painted in a variety of specifiable colors, or a custom paint match.

The Noise Reduction Coefficient (NRC) of 0.90 (A-mounted) means more reverberation control for a given coverage area when compared to many other impact or corrosion resistant panels.

KNP / Perforated Metal Acoustical Panels

DESCRIPTION

- A highly durable perforated metal acoustical panel
- Available with flat or V-groove face

FIRE TEST DATA

- Class A per ASTM E84

ACOUSTICAL PERFORMANCE

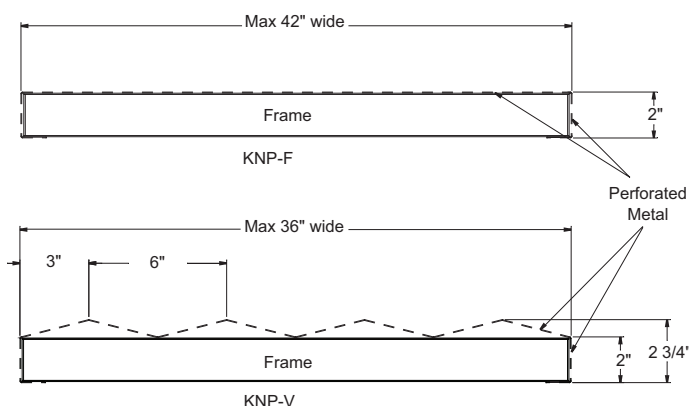
Sound Absorption per ASTM C-423, Type A Mounting

Frequency (Hz)	125	250	500	1K	2K	4K	NRC
Absorption Coefficient	0.22	0.77	1.12	1.00	0.78	0.57	0.90

Note: Offset brackets (optional) will increase sound absorption

COMPOSITION

- 22 gauge perforated galvanized steel, galvanized, if painted, or 0.040 perforated aluminum covering a glass fiber absorber in a heat sealed black poly vinyl bag
- Solid channel framing for panel stability



APPLICATIONS

- Reverberant, noisy spaces where panels must resist damage from impacts, abrasion, or moisture
- Gymnasiums
- Recreational facilities
- Multi-purpose rooms
- Natatoriums (specify aluminum)
- Convention centers

MOUNTING

Standard:

- Z-clips (top), L-bottom support angles

Options:

- Z-channel (top)
- J-channel (bottom)
- Offset brackets (1", 2", 3", 4")

SIZES AND TOLERANCES

KNP-F: 2" thick flat face; up to 42" wide × 120" high (1067 mm × 3048 mm).

Flat (KNP-F) panels also available as four-sided fold in: up to 42" wide × 114" high (1067 mm × 2896 mm).

KNP-V: 2-3/4" thick V-Groove face; up to 36" wide × 120" high (914 mm × 3048 mm) or 108" wide × 48" high (2734 mm × 1219 mm).

Note: KNP-V panels are sized in increments of 6" (152 mm), the width of each V-ridge. Minimum panel size is 12" (305 mm) wide

V-grooves run vertically

Tolerances: KNP-F and KNP-V panels are built to plus or minus 1/8" tolerances for length, width and squareness (**diagonal measurement**)