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VINAFLEX/METAL NOISE BARRIER JACKETING

Vinaflex Aluminum (AF) and Vinaflex Stainless Steel (SF) Sheet and Rolls

Vinaflex Metal Jacketing provides the blocking of unwanted sound with the durable exposed surface of aluminum or stainless steel sheet. Vinaflex is ideal for isolating piping and ducting within exposed commercial and industrial areas, as well as exterior areas requiring weather resistance.

Vinaflex Mass Loaded Vinyl is permanently machine laminated to a continuous roll of aluminum jacketing (Type AF) or to a continuous roll of stainless steel jacketing (Type SF). Vinaflex Types AF and SF are available in 36" x 33-1/3' (100 sq. ft.) rolls or in cut to size 36" wide sheet.

Vinaflex Aluminum (AF) and Stainless Steel (SF) are available as combinations of any of the following forms:

<u>Vinaflex Density</u>	<u>Metal Thickness</u>
Vinaflex AF ½ lb, 1 lb, & 2 lb/sf	.006", .010", .016" .020", .024" & .032"
Vinaflex SF ½ lb, 1 lb, & 2 lb/sf	.010", .016" & .020"

Vinaflex Type AF and SF Application

Vinaflex Aluminum or Stainless Steel Jacketing should be installed over the outer surface of a sound absorbent material, such as fiberglass or mineral wool pipe covering board or blanket. The problem noise bounces off the Vinaflex barrier as it is absorbed, expending its energy within the fiberglass or mineral wool through a pin ball type travel.

Acoustical Properties

Vinaflex Type AF and Type SF laminate with 1 lb./sf Vinaflex sheet provides the following noise reduction.

<u>Noise Transmission Loss (dB/Frequency (Hz))</u>							
Hz	125	250	500	1000	2000	4000	STC
dB	16	17	22	27	31	36	26

At one pound per square foot density the Vinaflex will provide a 26 dB noise reduction at 1,000 Hz; the noise reduction increases by approximately 6 dB for a doubling of mass/density, or for a doubling of frequency (the same effect is true for a reduction of mass/density or frequency).