

Technical Data

Quiet-Jac™ is fabricated using our Vinaflex™ (MLV) that is then laminated to either Aluminum or stainless steel sheets. This unique combination provides the blocking of unwanted sound with the durable exposed surface of aluminum or stainless steel. Quiet-Jac™ is ideal for isolating piping and ducting within exposed commercial and industrial areas, as well as exterior areas requiring weather resistance.

Mass loaded vinyl is permanently machine laminated to a continuous roll of aluminum or stainless steel jacketing. Quiet-Jac™ is available in type AF and SF at 36" x 33-1/3' (100 sq. ft.) rolls or in cut to size 36" wide sheet.

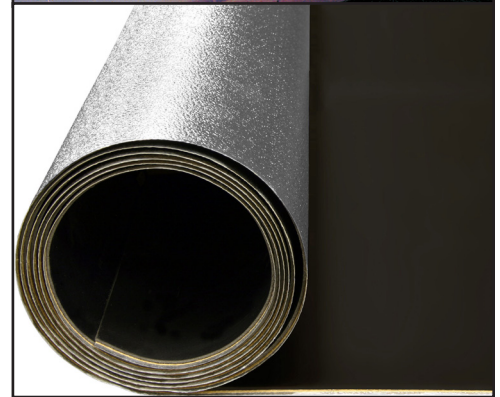
Quiet-Jac™ aluminum (AF) and stainless steel (SF) are available as combinations of any of the forms listed in the chart to the right.

Quiet-Jac™ Type AF and SF Application

Quiet-Jac™ 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 unwanted 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

Quiet-Jac™ AF and SF laminated with 1 lb./sf Vinaflex™ sheet provides the following noise reduction properties.



Density	Metal Thickness
Quiet-Jac™ AF 1 lb, & 2 lb/sf	.016" .020", .024" or .032"
Quiet-Jac™ SF 1 lb, & 2 lb/sf	.010", .016" or .020"

Noise Transmission Loss (dB)/Frequency (Hz):

Hz	125	250	500	1000	2000	4000	STC
dB	20	21	23	29	34	40	29

At one pound per square foot density the Quiet-Jac™ will provide a 29 dB noise reduction at 1,000 Hz; the noise reduction increases by approximately 5 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).

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