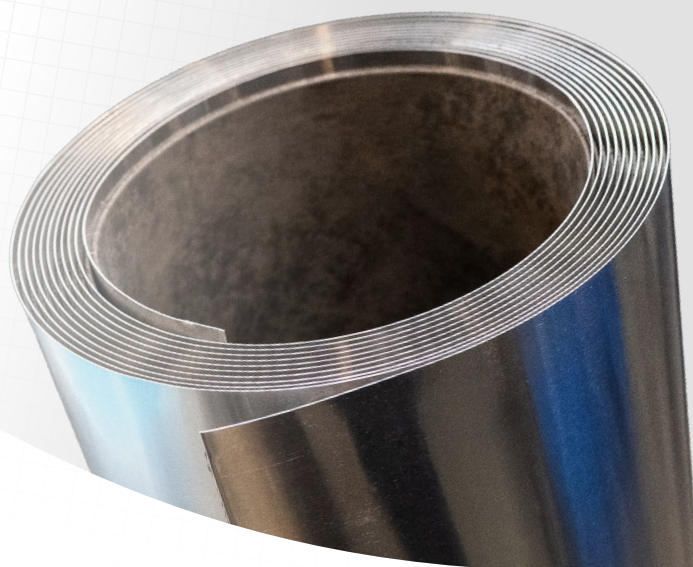


# ISOJACS™

ALUMINUM/STAINLESS STEEL WITH INTEGRATED MASS-LOADED BARRIER



## PRODUCT DESCRIPTION

IsoJacs™ by Ideal Products is an acoustic isolation metal jacketing system consisting of aluminum or stainless steel roll jacketing factory-laminated with a high-density mass-loaded vinyl (MLV) barrier. The MLV is a flexible thermoplastic compound engineered for use beneath metal cladding.

IsoJacs™ is engineered to enhance airborne sound isolation and vibration control in insulated piping and equipment systems. When installed as part of a properly designed insulation assembly, IsoJacs™ contributes to reduced noise radiation from mechanical systems while maintaining the durability, corrosion resistance, and finished appearance expected of metal jacketing.

IsoJacs™ is supplied as a jacketing component within a complete insulation system.

## PRODUCT APPLICATIONS

- Mechanical and process piping systems
- Industrial and commercial insulation assemblies
- Pumps, compressors, vessels, and rotating equipment
- Facilities requiring enhanced airborne sound isolation
- Oil & gas, power generation, institutional, and industrial environments

## INSTALLATION

IsoJacs™ is installed in a manner similar to standard metal roll jacketing systems.

- Factory-laminated barrier ensures consistent coverage.
- Compatible with standard banding and fastening methods.
- Installation shall follow project specifications and applicable insulation standards.

## STORAGE & HANDLING

- Store indoors in clean, dry conditions.
- Protect from prolonged UV exposure prior to installation.
- Handle as a laminated composite material.

## SYSTEMS FUNCTION

IsoJacs™ contributes to acoustic performance through:

- Increased surface mass for airborne sound isolation.
- Damping of vibration-induced radiated noise.
- Reduction of structure-borne sound transmission through cladding.

## MATERIAL SPECIFICATIONS

### OUTER LAYER

Aluminum or Stainless Steel Jacketing.

### INNER LAYER

- High-density mass-loaded vinyl (MLV) acoustic barrier.
- Flexible thermoplastic compound engineered for use beneath metal cladding.
- Free of Lead.

### SERVICE TEMPERATURE

20 °C to 85 °C  
(-4 °F to 185 °F)

### FIRE PERFORMANCE

Self-extinguishing. Evaluated in accordance with recognized industrial fire test standards.

## DIMENSIONS & AVAILABILITY

STANDARD ROLL WIDTH: 36 IN (914 MM)

- Roll lengths vary by material and thickness.
- Custom lengths available upon request.

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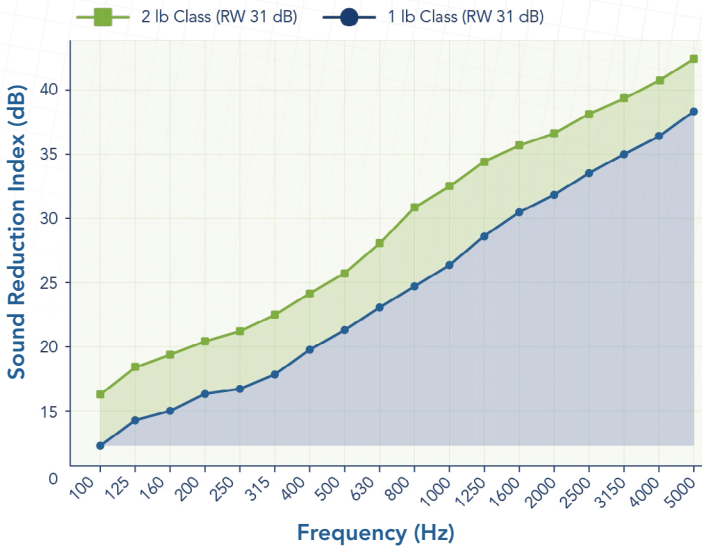
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## ACOUSTIC PERFORMANCE

ISOJACS™ REPRESENTATIVE BARRIER MATERIAL PERFORMANCE (TESTED TO ISO 10140-2)



\*Representative laboratory performance of barrier material only.

Higher levels of acoustic isolation may be achieved through increased surface mass or multi-layer configurations, subject to system design and engineering requirements.

**Disclaimer:** IsoJacs™ is supplied as a component within a complete insulation and jacketing assembly. Acoustic performance depends upon total system design, insulation selection, installation quality, and operating conditions. Published acoustic values represent laboratory results of the barrier material and are provided for reference only.

## METAL JACKETING OPTIONS

	ALUMINUM	STAINLESS STEEL
<b>THICKNESS</b>	0.016" (0.41mm) 0.020" (0.51 mm) 0.024" (0.61 mm)	0.010" (0.51 mm) 0.016" (0.61 mm) 0.020" (0.51 mm)
<b>FINISHES</b>	Smooth or Stucco-Embossed	Smooth

\*Other gauges and alloys available upon request.

## MLV OPTIONS

BARRIER CLASS	NOMINAL THICKNESS	APPROX. SURFACE MASS PER UNIT AREA
1 lb (Standard)	2mm	5 kg/m <sup>2</sup> (1.0 lb/ft <sup>2</sup> )
2 lb (Enhanced)	4mm	10 kg/m <sup>2</sup> (2.0 lb/ft <sup>2</sup> )



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