

## DESCRIPTION

JM's 1 lb Muffl-Jac® sound barrier jacketing is a special high density, composite film laminated to 0.020" aluminum using a viscoelastic film adhesive. It simultaneously absorbs, dampens, blocks and isolates sounds, reducing noise levels radiated by piping and equipment.

Standard 1 lb Muffl-Jac sound barrier jacketing is available in 0.020" aluminum with stucco embossed finish. Rolls are 36" wide and 36' length (108 sq. ft.).

## RECOMMENDED USES

JM 1 lb Muffl-Jac sound barrier jacketing is used in conjunction with mineral wool, glass fiber, ceramic fiber, or closed cell flexible insulations as a path control form of acoustic treatment. It is used to reduce noise on piping, fan housings, HVAC ducting, casings, gear boxes and other regular surfaces. It may also be used to field fabricate enclosures or as sheeting. 1 lb Muffl-Jac should not be applied directly to noise radiating surfaces.

The use of pins, clips or other penetrating means of securement should be minimized.

## TYPICAL PHYSICAL PROPERTIES

Sound Transmission Class (STC)	29 (ASTM E413)
Thickness (film):	0.080" to 0.110"
Weight (film):	1 lb/sq.ft
Tensile Strength:	400 psi
Service Temperature:	-40°F to 180°F (-40°C to 82.2°C)
Flammability:	Self-extinguishing
Fungus:	Resistant

## TEST RESULTS 1-LB DECIBEL REDUCTION

Frequency (Hz)	Sound Transmission (ASTM E-90)	Insertion Loss (ASTM E-1222)
80	5	—
100	15	—
125	20	—
160	19	—
200	22	—
250	21	—
315	21	—
400	23	—
500	23	7.5
630	25	16.4
800	27	15.0
1000	29	19.5
1250	31	22.5
1600	32	27.5
2000	34	30.5
2500	36	33.0
3150	38	31.5
4000	40	28.0
5000	41	30.5



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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

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