

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 smooth or stucco embossed finish. Rolls are 36" wide and 36' length (108 sq. ft.) Other thicknesses of aluminum and stainless steel roll jacketing are available.

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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