

**Tested in accordance with ASTM E-90, and ASTM E-1222**

**DESCRIPTION**

ITW Pabco/Childers 1# Muffl-Jac<sup>®</sup> sound barrier jacketing is a special uni-composite film laminated to .020 aluminum using a viscoelastic film adhesive. It absorbs, dampens, blocks and isolates simultaneously, reducing noise levels radiated by piping and equipment.

1# Muffl-Jac<sup>®</sup> sound barrier jacketing is available in .020 aluminum, smooth or stucco embossed finishes. Rolls are 36" wide and 36' length (108 sq. ft.) Other thicknesses of aluminum and stainless steel roll jacketing are available.

**RECOMMENDED USES**

ITW Pabco/Childers 1# Muffl-Jac<sup>®</sup> 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# Muffl-Jac<sup>®</sup> should not be applied directly to noise radiating surfaces.

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

<b>TEST RESULTS</b>		
<b>Decibel Reduction</b>		
<b>Frequency (Hz)</b>	<b>Sound Transmission ASTM E-90</b>	<b>Insertion Loss ASTM-1222</b>
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

**TYPICAL PROPERTIES**

- Sound Transmission Class (STC): 29 (ASTM-E-413)
- 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