Modus Advanced, Inc.’s WesCoustic™ Floormats are noise control materials designed to achieve maximum attenuation over a broad frequency range. A single layer of open or closed cell foam, combined with a barrier. A durable wear resistant surface is on top of the barrier, which is applied without the aid of adhesives that can fail under the extreme conditions floor mats are subject to. Standard applications include trucks, busses, construction equipment and agricultural machinery as well as runners and fatigue mats. This material can be fabricated to customer specifications.

This material has been optimized to economically provide high transmission loss, high noise reduction coefficients and damping. High transmission loss is the barrier’s ability to impede airborne noise. High noise reduction coefficients is the foam’s ability to absorb airborne sound energy with minimum reflections. Damping is the composite’s ability to attenuate structure-borne vibration on metals and plastics, thereby reducing reradiated noise and material fatigue.

**FEATURES AND BENEFITS**

- Durable wear resistant surface on top of a barrier
- Maximum attenuation over a broad frequency range
- Manufactured without adhesives which can fail

**TYPICAL PROPERTIES**

- Color: Black
- Weight: 0.5 lb/ft² (2.45 m/kg²) to 2 lb/ft² (9.8 m/kg²)
- Foam Type: open cell, closed cell
- Heat Resistance: -40°F(-40°C) to +250°F(121°C)
- Flammability Rating: exceeds MVSS 302

**BARRIER / ADHESIVE**

The primary method of application is utilizing a Pressure Sensitive Adhesive (PSA) backing and/or mechanical fasteners

- Barrier Material - Yes
- Pressure Sensitive Adhesive (PSA) - Yes

**APPLICATIONS**

- Noise control and damping
- Trucks, busses, construction equipment and agricultural equipment
- Runners and fatigue mats

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**CUSTOMERS ALSO SEARCHED:**

- Silicone sponge
- Silicone gaskets
- Silicone foam
- Silicone gasket
- Microcellular
- Urethane foam gaskets
- Cellular urethane
- Low outgassing
- UL 94 HBF gasket
- Die cut gasket
- Die cut seal
- Noise reduction
- Acoustical foam
- Foam kit
- Water jet foam
- Cab insulation
- Sound damping
- Sound absorbing
- Soundproof foam
- Melamine foam
- Barrier foam
- Acoustic foam

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**SOUND TRANSMISSION LOSS ON 16 G STEEL VALUES IN (BRACKETS) STC CALCULATED USING ASTM E413**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>63</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>8000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare Panel</td>
<td>33.3</td>
<td>31.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
</tr>
<tr>
<td>1/4” decoupler</td>
<td>31.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
<td>33.4</td>
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</tr>
<tr>
<td>1/2” decoupler</td>
<td>37.4</td>
<td>37.4</td>
<td>37.4</td>
<td>37.4</td>
<td>37.4</td>
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</tr>
</tbody>
</table>

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**ABOUT MODUS**

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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