**Description**

QuietZone Absorption Baffles are a suspended product that can effectively reduce noise in areas where a fully enclosed system is not feasible. They are an excellent means of uniformly distributing large quantities of acoustically absorptive material. QuietZone Absorption Baffles are ideal for applications in manufacturing facilities where hard surfaces reverberate noise generated from production machinery. Reverberant noise is sound energy which builds up in the work space due to an overabundance of hard surfaces (walls, ceiling, floor, and/or other equipment) which reflect the noise back into the work space and cause an increase in the overall noise level.

**Uses**

QuietZone Absorption Baffles are perfect for applications where the reduction of reverberant noise is required. The baffles can be installed in manufacturing facilities, gymnasiums and indoor swimming pools. The product can be installed on walls or hung from the ceilings or exposed structural members. It can also be used in conjunction with QuietZone Quilted Barrier enclosures.

Note: when installing this product as a ceiling baffle make sure that the proper operation of ceiling sprinkler systems is not obstructed.

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**Features and Benefits**

**Excellent Acoustical Properties**
The product has an NRC of 0.70.

**Moisture Resistant and Maintenance Free**
QuietZone Absorption Baffles are moisture resistant and do not require additional maintenance. The product’s poly wrapped exterior can be easily cleaned as needed.

**Environmentally Friendly**
QuietZone Absorption Baffles are constructed of poly wrapped, quilted fiber glass. They contain no lead.

**Light Reflective**
QuietZone Absorption Baffles are opaque white which help reflect lighting and maintain a brighter interior space.

**Durable**
QuietZone Absorption Baffles will not rot or shrink.

**Easy to Install**
QuietZone Absorption Baffles can be installed using standard “S” hooks, wire or cable ties.

**Technical Information**

QuietZone Absorption Baffles are constructed with two heat sealed brass grommets that fully encapsulate the fiber glass core. Baffles measure 48” wide x 24” tall and are 1.5” thick.

The product’s core has a 1 PCF density and is encapsulated in a 2 mil thick fire retardant opaque white polyethylene covering.

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**Sound Absorption Coefficients**

Tested in accordance to ASTM C 423-02 within a NVLAP accredited laboratory.

<table>
<thead>
<tr>
<th>Product</th>
<th>Frequency (Hz)</th>
<th>NRC</th>
<th>SAA</th>
</tr>
</thead>
<tbody>
<tr>
<td>QZAB</td>
<td>125 250 500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.15 0.38 0.74</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.98 0.76 0.48</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.70 0.71</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sabin Absorption (Sabins Per 24" x 48" Panel)**

Tested in accordance to ASTM C 423-02 within a NVLAP accredited laboratory.

<table>
<thead>
<tr>
<th>Product</th>
<th>Frequency (Hz)</th>
<th>Sabin Absorption (Sabins Per 24&quot; x 48&quot; Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QZAB</td>
<td>125</td>
<td>2.0 4.0 6.4 9.3 10.6 7.5</td>
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</tbody>
</table>

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**Surface Burning Characteristics**

Tested in accordance to ASTM E 84.

<table>
<thead>
<tr>
<th>Product</th>
<th>Flame Spread</th>
<th>Smoke Development</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>QZAB</td>
<td>5</td>
<td>5</td>
<td>Class A</td>
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</tbody>
</table>

The ASTM E 84 standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment, which takes into account all of the factors, which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.
QuietZone™ Absorption Baffle

Flame Propagation Characteristics
Tested in accordance to NFPA 701.
(Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.)

<table>
<thead>
<tr>
<th>Product</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>QZAB</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Physical Dimensions

Heat sealed grommet strip fully encapsulates fiberglass core.

H2 Brass Grommet Qty. 2