**PS1A**

**Acoustic Panels**

**2” Tongue & Groove**

### Performance
- Performance based on a 2” thick panel with 18GA outer sheet and 22GA inner liner filled with Acoustic grade media

### Advantages
- Self aligning and interlocking
- Easy to assemble at job site
- Pressure rating up to 10" W.G.
- Well suited for large plenums walls due to inherent strength

### Applications
- Enclosures for noisy equipment
- Acoustically sensitive rooms and booths
- Air handling unit casings and plenums
- Sound testing facilities
- Acoustic Barriers for noise by law compliance

### Construction
- Roll formed inner and outer skin
- Maximum 16 ga galvanized or stainless steel
- Thermal/Acoustical media sandwiched between skins
- Stiffeners installed internally to provide strength
- Strong panel joints

### Options
- Panels can be built to required sizes
- Panel can be built with required materials like Galvanized, stainless, Galvanneal, pre-painted or Aluminum
- Doors, windows, access panels and openings can be provided as required
- Thermal break
- Lining for acoustic media (Tedlar, Mylar and Fiberglass cloth)

### Table: Performance Data

<table>
<thead>
<tr>
<th>Octave Band</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Loss</td>
<td>20</td>
<td>25</td>
<td>39</td>
<td>52</td>
<td>53</td>
<td>56</td>
</tr>
<tr>
<td>Absorption</td>
<td>0.3</td>
<td>0.7</td>
<td>0.9</td>
<td>0.99</td>
<td>0.9</td>
<td>0.8</td>
</tr>
</tbody>
</table>

**Solid / Perforated**  
**Solid / Solid**  
**Septum**  
**Added Mass Core**