Sound Seal’s sound curtain systems offer significant noise reduction with high STC and NRC acoustical ratings. They can be supplied as a partial or complete enclosure around noisy industrial equipment including:

- Compressors
- Pumps
- Generators
- Blowers
- Fans
- Granulators
- Presses

Also suitable for larger complete enclosures including:

- Manufacturing Equipment
- Test Chambers
- Machinery Enclosures
IN ADDITION TO VERY EFFECTIVE, HIGH-PERFORMANCE SOUND CURTAIN PANELS, A SUCCESSFUL, FUNCTIONAL ACOUSTICAL ENCLOSURE OFTEN REQUIRES A WIDE ARRAY OF FEATURES AND OPTIONS ALLOWING FOR EQUIPMENT ACCESS, VISIBILITY AND VENTILATION.

FEATURES OF SOUND SEAL SOUND CURTAIN SYSTEMS:

- Modular panels join together to form any configuration required:
  - 2 Sided partial enclosures
  - 3 Sided partial enclosures
  - 4 Sided full enclosures
  - 4 Sided full enclosures with roof

- Framing systems are available for floor mount, wall mount, ceiling mount or suspended by threaded rod

- A variety of framing systems are available including a heavy structural steel frame system for large enclosures

- Double track systems available for slide by access. Every panel can be a door.

- Durable construction for long service life in even severe industrial conditions

- Rigid roof panels are available for maximum noise reduction

- Clear vinyl windows are available for visibility and can be sewn on or removable

- Side air intake vent baffles allow air into the enclosure without compromising acoustical performance

- Roof top vent baffles made from rugged sheet metal are lined with sound absorption material

- Curtain panels can be field cut to work around obstacles

- Easy to install, relocate or modify

- CAD drawings provided with every order

- Short lead time even for custom enclosures and expedites available if needed even faster

- Economical alternative to rigid metal acoustical enclosures

Can be used as partition dividers, noise barrier walls or hood or shroud covers
**“BBC” STYLE (BARRIER BACKED COMBINATION):**

- Modular acoustical curtain panels feature grommets at top, velcro fasteners along each edge
- Sound absorptive quilted fiberglass on one side of reinforced mass loaded barrier material
- Reinforced barrier back offers excellent durability and abuse resistance
- Utilized as fixed panels and sliding doors on acoustical curtain enclosures
- Suitable for outdoor applications
- Custom fabricated for “acoustical jackets” on blowers, fans or compressor housings
- Also available in bound or unbound rolls
- STC ratings up to 37, NRC ratings up to 1.05
- Class A flammability rating (per ASTM E-84)

**“BSC” STYLE (BARRIER SEPTUM COMBINATION):**

- Sound absorptive faced quilted fiberglass (gray, white, tan or black) on both sides of loaded vinyl noise barrier material
- Modular acoustical curtain panels feature grommets at top, velcro fasteners along each edge
- Utilized as perimeter walls, separator walls, or divider partitions between noise sources
- Utilized as absorber/barrier composite liner in enclosures, rooms or buildings
- Outer layer of quilted fiberglass adds additional sound absorption to environment
- Also available in bound or unbound rolls
- STC ratings up to 33, NRC ratings up to .85
- Class A flammability rating (per ASTM E-84)
The most effective noise reduction products combine both sound absorption and noise barrier properties. Tested under strict compliance to appropriate ASTM standards, we offer the following results:

### Flammability Ratings

<table>
<thead>
<tr>
<th>Product</th>
<th>Descriptor</th>
<th>Flame Spread</th>
<th>Smoke Developed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC-25</td>
<td>Vinyl faced 1” quilted fiberglass on both sides of a 1 lb. PSF non-reinforced loaded vinyl barrier septum</td>
<td>23</td>
<td>30</td>
</tr>
<tr>
<td>BSC-26</td>
<td>Silicone faced 1” quilted fiberglass on both sides of a 1 lb. PSF non-reinforced noise barrier septum</td>
<td>4</td>
<td>19</td>
</tr>
<tr>
<td>BSC-24</td>
<td>Scrim faced 1” quilted fiberglass on both sides of a 1 lb. PSF non-reinforced noise barrier septum</td>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

Above table shows flame spread and smoke developed ratings per ASTM Designation E84; Surface Burning Characteristics of Building Materials. Note: Class A rating applies to products with a flame spread index of 25 or less, and a smoke developed index of 450 or less.

Additional products tested to ASTM E 162 and ASTM E 662, test reports available on request.

### Sound Absorption Data – Absorber Component Random Incident Sound Absorption

<table>
<thead>
<tr>
<th>Product</th>
<th>THK.</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>NRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBC</td>
<td>1</td>
<td>.12</td>
<td>.47</td>
<td>.85</td>
<td>.84</td>
<td>.64</td>
<td>.62</td>
<td>.70</td>
</tr>
<tr>
<td>BBC</td>
<td>2</td>
<td>.07</td>
<td>.27</td>
<td>.96</td>
<td>1.13</td>
<td>1.08</td>
<td>.99</td>
<td>.85</td>
</tr>
<tr>
<td>BSC</td>
<td>2</td>
<td>.45</td>
<td>.96</td>
<td>.87</td>
<td>.66</td>
<td>.47</td>
<td>.30</td>
<td>.75</td>
</tr>
<tr>
<td>BBC</td>
<td>4</td>
<td>.21</td>
<td>.89</td>
<td>1.09</td>
<td>1.17</td>
<td>1.13</td>
<td>1.07</td>
<td>1.05</td>
</tr>
</tbody>
</table>

Per ASTM E 90

### Sound Transmission Loss (dB) per Octave Band Frequency

<table>
<thead>
<tr>
<th>Sound Seal Model #</th>
<th>THK.</th>
<th>WT.</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>STC</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBC-13-2”</td>
<td>2</td>
<td>1.5</td>
<td>13</td>
<td>20</td>
<td>29</td>
<td>40</td>
<td>50</td>
<td>55</td>
<td>32</td>
</tr>
<tr>
<td>BBC-13</td>
<td>1</td>
<td>1.3</td>
<td>11</td>
<td>16</td>
<td>24</td>
<td>30</td>
<td>35</td>
<td>35</td>
<td>27</td>
</tr>
<tr>
<td>BBC-13-2 LB-2”</td>
<td>2.5</td>
<td>2</td>
<td>19</td>
<td>25</td>
<td>33</td>
<td>46</td>
<td>53</td>
<td>58</td>
<td>37</td>
</tr>
<tr>
<td>BSC-25</td>
<td>2</td>
<td>1.5</td>
<td>12</td>
<td>16</td>
<td>27</td>
<td>40</td>
<td>44</td>
<td>43</td>
<td>29</td>
</tr>
<tr>
<td>BSC-25-2 LB</td>
<td>2</td>
<td>2.5</td>
<td>19</td>
<td>22</td>
<td>28</td>
<td>40</td>
<td>56</td>
<td>61</td>
<td>33</td>
</tr>
<tr>
<td>BB-RP Roof Panel</td>
<td>2</td>
<td>2</td>
<td>18</td>
<td>24</td>
<td>28</td>
<td>37</td>
<td>45</td>
<td>46</td>
<td>31</td>
</tr>
</tbody>
</table>

Per ASTM C 423

Additional products tested to ASTM E 162 and ASTM E 662, test reports available on request.

### ALSO AVAILABLE:

- Panels & Roll Goods
- Die Cut Parts
- Custom Acoustical Jackets & Covers