Sound Curtain Specification

Part 1: General
1.1 Work Included
The work consists of furnishing all labor, materials, accessories, and equipment necessary to cover all areas shown on the drawings and specified herein with eNoise Control (UNC-25, UNC-13, model type) Sound Curtains.

Part 2: Product
2.1 Product and Manufacturer
eNoise Control Quilted Sound Curtains exclusively manufactured by:
eNoise Control 129 Penn St, Westfield, IN 46074    Phone: (317).774.1900    Fax: (317).774.1911
Website: www.enoisecontrol.com    Email: info@enoisecontrol.com

2.1.1 Facing Material
Vinyl-coated fiberglass cloth facing quilted facing material, industrially stitched to withstand harsh environments.

2.1.2 Thickness - Nominal (1”, 2”) thick

2.1.3 Noise Reduction Coefficient
NRC 0.70 to 0.85

2.1.4 Standard Width - 48 or 54 inches

2.1.5 Length - As indicated on drawing, up to 25 feet.

2.1.6 Construction
The quilted sound curtains shall be supplied in standard width panels or fabricated to custom widths. Manufacturer’s standard panel construction shall have all edges bound with #4 spur grommets across the top. And mating hook and loop Velcro fastener on vertical edges. A polyester thread suitable for industrial applications must be used in the quilting process as well as to apply the matching edge binding. Total weight of the sound curtain is 1.5 lbs/sf.

2.1.7 Mounting
Manufacturer’s standard accessories for securely mounting the quilted fiberglass absorber panels, of type and size indicated and complying with the requirement that grommets shall be installed to facilitate mounting as indicated on the drawing.

2.1.8 Acoustical Performance

<table>
<thead>
<tr>
<th>UNC-25</th>
<th>ASTM E-90 &amp; E-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octave Band Frequencies (Hz)</td>
<td>125 250 500 1000 2000 4000</td>
</tr>
<tr>
<td>Sound Absorption per ASTM C423</td>
<td>0.19 0.99 0.96 0.80 0.57 0.33</td>
</tr>
<tr>
<td>Sound Transmission Loss per</td>
<td>12 16 27 40 44 43</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNC-13</th>
<th>ASTM E-90 &amp; E-13</th>
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</thead>
<tbody>
<tr>
<td>Octave Band Frequencies (Hz)</td>
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</tr>
<tr>
<td>Sound Absorption per ASTM C423</td>
<td>0.12 0.47 0.85 0.84 0.64 0.62</td>
</tr>
<tr>
<td>Sound Transmission Loss per</td>
<td>11 16 24 30 35 30</td>
</tr>
</tbody>
</table>

2.1.9 Flammability
Class “A” per ASTM E-84

Part 3: Execution
3.1 Installation
Install quilted sound curtains in locations indicated. Comply with manufacturers written instructions for installation of panels or rolled goods using type of mounting accessories indicated or, if not indicated, as recommended by the manufacturer.

3.1.1 Workmanship
All work shall be completed in a workman like manner. All panels shall be properly installed and left in a clean, sanitary condition. Contractor shall remove and dispose of shipping containers and debris.

www.enoisecontrol.com