SOUND RESISTANT ACOUSTICAL PANELS

These are designed to reduce noises and vibration in any glazing application. The panels can be used with specially designed window and curtain wall systems to improve the acoustical performance of the complete system. Finishes and thicknesses can be selected to meet any design requirements. Panels can be incorporated into non vision areas of acoustical windows to enhance noise reduction.

APPLICATIONS

• Spandrel
• Window
• Curtain Wall
• Retrofit
• Transoms
• Schools
• Hospitals
• Office / Apartments / Libraries
• Airport Noise Reduction Areas

FEATURES

• S.T.C. up to 55
• Improved Thermal Insulation
• Available in All Architectural Finishes
• Designed for Use in all Sound Resistant Framing Systems
MAPESOUND™
TECHNICAL DATA

TYPICAL SECTION DETAIL

Mapesound Panel

Vision Area

Mapesound Panel

TYPICAL CROSS SECTION

Sound Transmission Loss
STC Contour
Sound Transmission Loss
4 1/2” Panel
80
70
60
50
40
30
20
10
10 100    1000 10000
0
Frequency (Hz)

Test report available upon request

Sound Transmission Loss (dB)

FINISH SELECTION GUIDE

<table>
<thead>
<tr>
<th>Finish Type</th>
<th>Embossed</th>
<th>Smooth</th>
<th>Custom Color</th>
<th>Aluminum</th>
<th>Steel</th>
<th>Warranty (yrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porcelain on Steel</td>
<td>X</td>
<td></td>
<td>X*</td>
<td>X</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Kynar</td>
<td>X</td>
<td>X</td>
<td>X*</td>
<td>X</td>
<td></td>
<td>5 to 20</td>
</tr>
<tr>
<td>Polyester Baked Enamel</td>
<td>X</td>
<td>X</td>
<td>X*</td>
<td>X</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Anodized</td>
<td>X*</td>
<td></td>
<td>X*</td>
<td>X</td>
<td></td>
<td>n/a</td>
</tr>
<tr>
<td>Primed Aluminum</td>
<td>X</td>
<td>X</td>
<td>X*</td>
<td>X</td>
<td></td>
<td>n/a</td>
</tr>
<tr>
<td>Galvanized</td>
<td>X</td>
<td></td>
<td>X*</td>
<td>X</td>
<td></td>
<td>n/a</td>
</tr>
</tbody>
</table>

* Indicates premium charge; consult factory

Mapes Panels, LLC
2929 Cornhusker Hwy / Lincoln, NE 68504
800-228-2391 / 800-737-6756 fax
panels@mapes.com / www.mapespanels.com

For more details, please visit mapespanels.com