Technical Bulletin

Air and Water Infiltration
Medallion-Lok

On March 14, 1994, McElroy Metal, Inc. tested its Medallion-Lok Panel for air leakage and water penetration.

TEST METHODS:


TEST SPECIMEN:

McElroy Metal, Inc. 24 Ga. 16 in. wide Medallion-Lok Roof Panel with factory applied sealant at sidelaps. Panels were attached to purlins using panel clips at 5’-0” and 4’-7” spacing. Panels were installed at 2:12 slope.

TEST RESULTS:

*Results are extrapolated to different panel widths.

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Static Pressure Differential (psf)</th>
<th>Air Infiltration rate (cfm/lf)</th>
<th>Air Infiltration rate (cfm/sf)</th>
<th>Static Pressure Differential (psf)</th>
<th>Rate (gal./hr/sf)</th>
<th>Test Duration (min)</th>
<th>Water Infiltration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medallion-Lok 16 in. 24** Ga.</td>
<td>1.57</td>
<td>0.76</td>
<td>0.57</td>
<td>6.24</td>
<td>5</td>
<td>15</td>
<td>None</td>
</tr>
<tr>
<td>Medallion-Lok 18 in. 24** Ga.</td>
<td>1.57</td>
<td>0.76</td>
<td>0.51</td>
<td>6.24</td>
<td>5</td>
<td>15</td>
<td>None</td>
</tr>
</tbody>
</table>

Test Report No.: 20801  
Dated: March 14, 1994

**Test results are valid for heavier gauges or thicknesses.