TECHNICAL BULLETIN

Issue Date : January 10, 2000    Revised: February 11, 2013    No. 02-106-00

Air and Water Infiltration
Medallion II

On July 30, 1992, McElroy Metal, Inc. tested its Medallion II Panel for air leakage and water penetration.

TEST METHODS:


TEST SPECIMEN:
McElroy Metal, Inc. 24 Ga. 12 in. wide Medallion II Roof Panel. Panels were attached to 5/8” plywood using panel clips at 2'-0” 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 II 12 in. 24** Ga.</td>
<td>1.57</td>
<td>0.007</td>
<td>0.007</td>
<td>12.00</td>
<td>5</td>
<td>15</td>
<td>None</td>
</tr>
<tr>
<td>Medallion II 16* in. 24** Ga.</td>
<td>6.24</td>
<td>0.02</td>
<td>0.02</td>
<td>12.00</td>
<td>5</td>
<td>15</td>
<td>None</td>
</tr>
</tbody>
</table>

Test Report No. : 18512    Dated : July 30, 1992

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