Engineering Technical Bulletin
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Air Leakage and Water Penetration Test Data

PRODUCT
MBCI U-Panel 26 Ga. with stitch screws at 12” o/c and continuous ½” x 3/32” Tape Sealer at panel side-lap.

TEST PROCEDURES
1. ASTM E 283-84: Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors
2. ASTM E 331-83: Standard Test Method for Water Penetration Through Exterior Windows, Curtain Walls, and Doors

TEST RESULTS
Air Leakage was conducted with a uniform static air pressure differential of 1.57 PSF. Water Penetration was conducted with a uniform static air pressure differential of 6.24 PSF.

Air Leakage Test Results: .022 CFM per lineal foot of side joint at 1.57 PSF.

Water Penetration Test Results: No uncontrollable water leakage at 6.24 PSF when five gallons per hour of water were sprayed per square foot of roof area.

The following is the test summary report.

SUMMARY

<table>
<thead>
<tr>
<th>Profile</th>
<th>ASTM E 283-84 Air Leakage</th>
<th>ASTM E 331-83 Water Penetration</th>
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<tbody>
<tr>
<td></td>
<td>Pressure Differential</td>
<td>Leakage Rate</td>
</tr>
<tr>
<td>U-Panel 26 Ga.</td>
<td>1.57 PSF</td>
<td>.0067 CFM/ sq. ft.</td>
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</tbody>
</table>

Copies of the independent laboratory test reports are available upon request.

Test Report #T141-96 Dated 12/9/96.