



**PLASTIC SHOWER UNIT CERTIFICATION TEST RESULTS  
SHORT SERIES REPORT**

**Manufactured By:** Tower Industries LLC  
P.O. Box 647  
Massillon, OH 44648

**Manufacturer CR Number:** 6538                      **Report Number:** 65380311242

**Date of Inspection:** 3/10/2011                      **Inspected By:** Buckeye  
**Date Unit Received:** 3/21/2011                      **Unit Model Style:** 4836  
**Date Unit Tested:** 3/23/2011                      **Unit Serial Number:** Not Supplied  
**Date of Report:** 6/20/2011                      **Date of Manufacture:** 3/8/2011

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**Tests performed in accordance with ANSI Z124.1.2-2005-Plastic Shower Units**

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**2.0 GENERAL REQUIREMENTS**

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|-----|--|-------------|
| 2.1 | Materials<br>Reinforcement - Resin/Filler<br>Plastic - Resin<br>Fillers - Alumina Trihydrate<br>Substrate Pigments - Titanium Dioxide<br>Surface Finish - Solid Surface<br>Unit Characteristics - Solid Surface Shower | <b>Pass</b> |
| 2.2 | Dimensional Tolerances: 48" x 36"<br>The unit's finished trim measurements shall be within tolerance of manufacturer's stated rough-in dimensions.   | <b>Pass</b> |
| 2.3 | Unit for Testing<br>Unit shall be randomly selected from manufacturer's finished goods inventory.  | <b>Pass</b> |
| 2.4 | Installation Instructions<br>Written installation instructions shall be affixed to the unit in a visible location.   | <b>Pass</b> |
| 2.5 | Care and Maintenance Instructions<br>Written care and maintenance instructions shall be affixed to the unit in a visible location.   | <b>Pass</b> |
| 2.6 | Identification<br>Manufacturer's name and/or trade mark shall be permanently and legibly marked on the unit in a visible location.   | <b>Pass</b> |
| 2.8 | Raised Flange and Tiling Bead<br>Units for installation against a wall shall incorporate a raised flange of not less than 1" above the rim at any point.   | <b>Pass</b> |

**LABORATORY SCIENCES & CERTIFICATION PROGRAMS**

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3.0 WORKMANSHIP AND FINISH

- 3.3 Surface Test **Pass**  
Unit shall be free of cracks, chipped areas and blisters. The number of molding and other defects or blemishes shall not exceed those given in Table 1 of the referenced standard.
- 3.4 Subsurface Test **N/A**

4.0 STRUCTURAL INTEGRITY

- 4.2 Drain Fitting Connection Test **Pass**  
During and after the application of 50 pounds by using a 24 inch lever arm in three radial positions, no cracks shall be observed around the drain opening. During the load application in the three positions, no leaks shall be observed.
- 4.3 Point Impact Load Test **Pass**  
After the impact of a 1 1/2 inch half-pound steel ball from a height of 36 inches and 24 inches, no cracks or chips shall be observed in any of the surface areas tested.
- 4.4 Bottom and Threshold Load Test **Pass**  
Bottom Load  
Measurements recorded under the applied loading of 300 pounds on three different bottom surface areas shall not exceed the maximum allowable deflection of 0.150 inches. After removal, the unit shall not exceed the maximum allowable residual deflection of 0.008 inches. No cracks shall be observed in the surface finish.

Position Number	Deflection (inches)	Residual Deflection (inches)
1	0.015	0.000
2	0.009	0.000
3	0.014	0.000

Rim Load

A 300 pound load shall be applied to the end and mid sections of the rim. No cracks shall be observed in the surface finish.

Rim Load

A = P  
B = P

- 4.7 Radii Load Test **Pass**  
Surface shall not show cracks, chips, or voids under the applied load of 10 pounds with a half-inch diameter nylon rod on the unit's radial surface areas.

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5.0 PHYSICAL CHARACTERISTICS

- 5.6 Ignition Test N/A
  
- 5.7 Water Resistance Test Pass  
There shall be no cracking, blistering or spalling observed at the conclusion of testing. The unit shall pass the ANSI requirement of 250 cycles.

6.0 MATERIALS TESTING


- 6.2 Non-integral Flange Test N/A

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Comments:

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Shipping damage, if any, did not influence test results. The unit was inspected for tampering prior to arrival. These tests were performed under the direct and continuous supervision of laboratory personnel. The plastic shower as selected, **passed** all of the sections of the ANSI Z124.1.2-2005 standard detailed in this report and the requirements set forth by the Model Building Codes.

  
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Charles P. Arnold  
Program Manager

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