



TEST REPORT

**CLIENT:** Wedi Corp  
225 Peachtree St.  
NE 100 South Tower  
Atlanta GA  
United States 30303  
  
Attn: Bastian Lohmann

<b>Test Report No:</b>	<b>654:019641</b>	<b>Date:</b>	<b>March 6, 2009</b>
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**REFERENCE:** SGS Report Number 574890-R1 issued on July 25, 2008. Added the testing data for ASME A112.18.2/CSA B125.2 2005 Plumbing Waste Fittings.

**SUBJECT:** The evaluation of field-fabricated shower pan trench drain.

**SAMPLE ID:** One 4ft. x 6ft Wedi Riolito field-fabricated shower pan was received 1/26/09 in good condition.

**PROCEDURE:** The sample was evaluated in accordance with IAPMO PS-46 2008 and ASME A112.18.2/CSA B125.2 2005 Plumbing Waste Fittings.

**RESULTS:** See test data and results on the following page.

**TEST DATE:** 2/12/09 - 3/5/09

**CERTIFICATION:** The tests reported here were conducted under the continuous direct supervision of SGS U.S. Testing Company Inc., Tulsa, OK.

**SIGNED FOR AND ON BEHALF OF  
SGS U.S. TESTING COMPANY INC.**

*for*   
Jarred L. Johnson  
Materials Department Technician

  
S. Scott Parkhurst  
Materials Department Manager

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## Test Procedure and Results

### 4.0 General Requirements

- 4.1 Material:** **Pass**  
The polystyrene material does have a minimum wall thickness of ½ inch and does comply with the minimum property requirements

Property	Value	ASTM Test Standards
a) Shear Strength	34 psi	C 273
b) Flexural Strength	212 psi	C203
c) Tensile Strength	33 psi	D1623
d) Compressive Strength	36 psi	D1621
e) Linear Coeff. of Therm. Expan.	0.23 Btu in/hr ft <sup>2</sup> °F	D696
f) R-Value @ 75°F	4.3 hr ft <sup>2</sup>	C 518

- 4.1.1 Liner.** **Pass**  
Polymer Cement Coating does comply with ANSI A118.10

- 4.2 Adhesive** **Pass**  
Silicone adhesive does comply with the requirements of ASTM D 1418

- 4.3 Sealant** **Pass**  
Bonding sealant shall conform with the requirements of ASTM D2235.

- 4.4 Shower Pan** **Pass**  
Tilable shower pans does comply with the requirements of IAPMO PS 106

- 4.4.1 Drainage Weep holes** **NA**

- 4.5 Each field installation kit** **Pass**  
Installation instructions were provided.

- 4.6 Drain.** **Pass**  
When provided, drain assembly does comply with the requirements in ASME A112.18.2/CSA B125.2  
Waste Outlet Size: 2" (1-1/2 min. requirement)  
Deflection under load: .010 in. (1%) (3% max.)  
Min. Flow Rate: >24.34 gpm (7.0 gpm min.)

- 4.7 Tile** **NA**

- 4.8 Epoxy** **NA**

**4.9 Metallic Components** **NA**

**5.0 Testing Requirements**

**5.1 Laboratory Test for Flange-Fixture Seal**

**5.1.1 Unit Preparation** **Pass**

The unit was performed on the largest size unit available (4' x 8' x 2') and installed according to manufacturer's instructions

**5.1.2 Loads** **Pass**

A 300lbs weight was applied to a 3 in. sponge rubber disk every 2 square feet on the unit. The unit showed no signs of damage or leakage.

**5.1.2.2 Performance Requirement** **Pass**

There was no signs of water seepage within sealed joints and cracks or damage on the unit.

**5.2 Adhering Test** **Pass**

The unit did not disassemble at the affixed are and showed no signs of water seepage, cracks or damage within sealed joints or walls

**5.3 Shear Strength Test** **Pass**

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.020	4.002	991	61.6	
2	4.023	4.009	830	51.5	
3	4.000	4.022	862	53.6	
4	3.999	3.93	754	47.2	
Average (Psi)	-	-	-	>53.5	Psi (50 psi required)
Average (MPa)	-	-	-	0.37	MPa

**5.4 Waterproofness Test** **Pass**

Test Pressure: 2 ft. water column

Test Time: 48 hours

Observation: No Leakage

Requirement: No Leakage

**5.5 Fungus and Micro-Organism Resistance Test**

**Pass**

Organisms used: Aspergillus Niger  
Total Incubation Period: 14 days

Specimen	Rating
1	No growth was observed on the test specimen
3	No growth was observed on the test specimen
2	No growth was observed on the test specimen
Required:	No Growth

**5.6 Pull Test**

**NA**

**6.0 Markings and Identifications**

**Pass**

Each kit shall be marked with at least the following:  
 Manufacturer's Name or Trademark: **Wedi**  
 Any Other Markings: **None**

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End of Report