

**American Society of Sanitary Engineering
Seal (Certification) Program**

**Laboratory Evaluation Report for:
Barrier Type Floor Drain Trap Seal Protection Devices**

Tested under ASSE Standard 1072 • Issued: September, 2007

Laboratory File Number _____

Manufacturer _____

Model No. _____

Address _____

Serial No. _____

Other Identification Markings _____

Size _____

General information and instructions for the testing engineer:

Within the text there may be items which are only advisory to conditions which experience indicates could be troublesome. It is not for evaluation related to acceptance of the product.

There may be other items for which the judgment of the test engineer will be involved. Should there be a question of compliance with that provision of the standard, a conference with the manufacturer should be arranged to enable a satisfactory solution of the question.

Should disagreement persist and compliance remain in question by the test agency, the agency shall, if the product is in compliance with all other requirements of the standard, file a complete report on the questionable items together with the test report, for evaluation by the ASSE Seal Control Board. The Seal Control Board will then review and rule on the question of compliance with the intent of the standard item involved.

Documentation of material compliance must be furnished by the manufacturer. He shall furnish to the testing agency, a bill of material which clearly identifies the material of each part included in the product construction. This identification must include any standards which relate thereto.

2.3 Were assembly drawings, installation drawings and other technical data which are needed to enable a testing agency to determine compliance with this standard submitted with the device? Yes
 No

Were these drawings and data reviewed by the laboratory? Yes
 No

Section III

3.0 Performance and Compliance Testing

3.1 Flow Test

Was the device installed on the appropriately sized test assembly per Section 3.1.2?

- Yes
 No
 Questionable

If questionable, explain: _____

What was the flow rate used for this test? _____ GPM (_____ L/M)

Water was allowed to flow for _____ minutes.

Did any water overflow the open side of the assembly pan? Yes
 No

In compliance? Yes
 No

3.2 Evaporation Test

Initial weight of vessel A with 2.0 inches of water: _____ lbs.

Initial weight of vessel B with 2.0 inches of water and the fouling wire: _____ lbs.

Initial weight of vessel C with 2.0 inches of water: _____ lbs.

Was the temperature and humidity of the test environment maintained at 100.0°F ± 5.0°F (37°C ± 2.8°C) and 20% (±10%) relative humidity throughout the test?

- Yes
 No

The test period was for _____ hours

Final weight of Vessel A: _____ lbs

Final weight of Vessel B: _____ lbs

Final weight of Vessel C: _____ lbs

Was the weight loss in vessel B greater than 10% of the weight loss of cylinder A?

- Yes
 No

Was the weight loss in vessel C greater than 0.01 pounds? Yes
 No

In compliance? Yes
 No

3.3 Trap Seal Interference Test

With the device installed in a floor drain per the manufacturer's installation instructions, did any portion of the device extend into the water seal of the floor drain trap?

Yes
 No

3.4 Opening Test

How many ounces of water did it take to open the device and allow passage of water?
_____ ounces

3.5 Dirt and Debris Test

Following the pouring of 1.0 ounce of sand in the center of the device and then pouring 5.0 gallons of water in the center of the floor drain at 1.0 GPM, was the device retested to Section 3.2?

Yes
 No

Did the device again pass the evaporation test of 3.2? Yes
 No

3.6 Floor Wax Test

Was 1 cup (236.8 ml) of Johnson Diversey Signature floor wax poured into the center of the device?

Yes
 No

What was the length of time it took for the wax to dry? _____ minutes

Did water overflow the floor drain top grate when subjected to a flow rate of 1.0 GPM (3.8 L/M)

Yes
 No

In compliance? Yes
 No
 Questionable

If questionable explain: _____

3.7 Grease Test

Was the test media prepared per Section 3.7.2? Yes
 No

Was the 5 gallons (18.9 liters) of media poured in the center of the floor drain grate?

- Yes
 No

How long was the assembly left undisturbed? _____ hours

Did water overflow the floor drain top grate when subjected to a flow rate of 1.0 GPM (3.8 L/M)?

- Yes
 No

In compliance?

- Yes
 No
 Questionable

If questionable explain: _____

3.8 Life Cycle Test

What was the water temperature used during the hot water cycle test?

_____ °F (_____ °C)

How many hot water cycles was the device subjected to? _____ cycles

What was the water temperature used during the ambient water cycle test?

_____ °F (_____ °C)

How many ambient water cycles was the device subjected to? _____ cycles

Was the device retested to section 3.2?

- Yes
 No

What was the length of time between the completion of cycle tests and the start of retesting to section 3.2? _____ hours

Was the device in compliance with section 3.2 when retested?

- Yes
 No

3.9 Physical Test of Membrane Material

Was the device tested to and in compliance with the following ASTM test methods:

- | | | |
|---|------------------------------|-----------------------------|
| D1149 for ozone resistance? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| D471 for water absorption? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| D543 for chemical reagents? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| G53 for weather-o-meter? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| D624 for split tear? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| D2137 method A for non-brittle brittleness? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Section IV

4.0 Detailed Requirements

4.1 Materials

Do all internal metallic parts have a corrosion resistance equal to or greater than stainless steel series 300?

- Yes
 No

4.2 Instruction for Marking and Installation

4.2.1 Marking

Each device shall have the following visible permanent markings:

- A. Name of manufacturer or trademark
- B. Application designation (pert table 2 of this standard)

- Yes
 No

Identify the method of permanent marketing: _____

4.2.2 Packaging

Was the following information marked on the packaging:

- A. Name of manufacturer or trademark? Yes No
- B. Model number or description of device? Yes No
- C. Rating of type of floor? Yes No
- D. Rated for grease-laden waste (if applicable)? Yes No
- E. Floor drain size? Yes No

TESTING AGENCY _____

ADDRESS _____

PHONE: _____ FAX: _____

TEST ENGINEER(S) _____

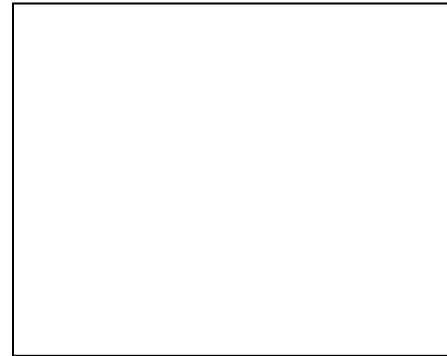
We certify that the evaluations are based on our best judgments and that the test data recorded is an accurate record of the performance of the device on test.

Signature of the official of the agency: _____

Title of the official: _____ Date: _____

Signature and seal of the Registered Professional Engineer
supervising the laboratory evaluation:

Signature



Seal