



TEST REPORT

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Report Number: 3782-24001

Report Issued: August 20, 2024

Project No.: 43777

Client: Pro Property Services, LLC.
8536 Pineview Lake Drive
Linden, Michigan 48451
USA

Source of Samples: The samples were sent by the manufacturer and received in good condition by IAPMO R&T Lab on July 10, 2024.

Date of Testing: July 29, 2024 through August 14, 2024

Sample Description: Tub to Shower Drain Assembly

Models: 2C517

Scope of Testing: The purpose of the testing was to determine if the samples tested met the applicable requirements of ASME A112.18.2-2020/CSA B125.2-20, entitled, "Plumbing Waste Fittings".

Conclusion: The samples tested of the tub to shower drain assembly, model shown above, from Pro Property Services LLC. **COMPLIED** with the applicable requirements of ASME A112.18.2-2020/CSA B125.2-20.

Note: Section 6.2 "Packaging" was not evaluated.

Tested by,

Kaiyi (Merry) Huang, Testing Technician

Reviewed by,

Lijing Zhang, Testing Manager

All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated. The statement of compliance is based on the test results compared to the standard specifications without considering measurement uncertainty. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. If presented with a copy of a Test Report without the IAPMO R&T Lab watermark background, contact IAPMO R&T Lab for verification. Any use of the IAPMO R&T Lab name for the sale or advertisement of the tested material, product or service is prohibited absent the advance written consent of IAPMO R&T Lab.

Primary Standard: ASME A112.18.2-2020/CSA B125.2-20, clauses tested / evaluated:

4.1	Materials	4.2	Installation
4.5	Replacement Parts	4.6	Dimensions
5.1	General	5.2	Corrosion
5.3	Thermal Cycling	5.8	Minimum Flow Rate
5.11	Seals Leakage	6	Marking

Clauses of ASME A112.18.2-2020/CSA B125.2-20 not listed above were considered not applicable to subject product.

Test Results: All tests and evaluations were conducted per the written procedures specified in the standard.

ASME A112.18.2-2020/CSA B125.2-20

4.1 Materials – COMPLIED

4.1.2 The drains were made from materials that complied with the requirements of this standard.

4.1.3 Plastic tubular waste fittings – COMPLIED

The drain assembly was made of PVC and complied with or exceed the cell classifications of 12454 or 14333 in ASTM D1784. The cell class was found to be 15453. Refer CRT Lab report No. 22100 for details.

4.2 Installation – COMPLIED

4.2.1 The drains were provided with a mean of socket for PVC drain fittings to connect to a type of trap or waste system in common use.

4.2.2 Provision was made to enable the drain assembly to be connected and mounted without marring the finish or otherwise damaging the fitting or the surface on which it is mounted.

4.2.3 Provision was made for a method of establishing a seal between the sink strainer assembly and the fixture to which it was fastened.

4.5 Replacement Parts – COMPLIED

4.5.1 Repair and maintenance of the drain assembly could be accomplished with standard tools.

4.5.2 Joints that have to be taken apart to replace worn parts after the fitting is installed was designed so that disassembly and replacement were possible without damaging or marring the fitting or any significant surface on which the fitting is installed.

4.6 Dimensions

4.6.1 Outlet Size – COMPLIED

The drain was provided with an oval outlet with cross area larger than 1-1/2" nominal O.D. outlet.

4.6.3 Wall Thickness – COMPLIED

4.6.3.2 The wall thickness of the plastic tube and tubular fittings was at least 0.062". The minimum thickness measured was 0.157".

5.1 General – FOLLOWED

5.1.1 Before testing, specimens were conditioned at ambient laboratory conditions for at least 12 h.

5.1.2 Each specimen was installed in accordance with the manufacturer's instructions.

5.1.3 Two samples were selected at a random from a lot of 5 production fittings, subjected to the test sequence specified in Clauses 5.1.3.2 and 5.1.3.3.

5.2 Corrosion – COMPLIED

5.2.1.1 When tested in accordance with Clause 5.2.2, the functional metallic parts did not exhibit corrosion that would adversely affect the functioning of the part or the disassembly and reassembly of the components. Disassembly and reassembly of the functional metallic parts could be accomplished without any damage to the components or the fitting on completion of the test procedure specified in Clause 5.2.2.

5.2.1.2 After undergoing the test specified in Clause 5.2.2, the specimen described in Clause 5.2.2.1 met the requirement specified in Clauses 5.11.1.1 and 5.11.2.1.

5.2.1.3 When tested in accordance with Clause 5.2.2, the specimen described in Clause 5.2.2.1 was capable of being dissembled with standard tools to enable access to all serviceable parts without damage the specimen and reassembled with standard tools without damage to the specimen.

5.3 Thermal Cycling – COMPLIED

The drain assemblies were installed in accordance with the manufacturer's instructions and were subjected to a water flow of 2.0 ± 0.2 gpm at $180 \pm 3^\circ\text{F}$ for 1.5 minute, followed immediately by a water flow at $70 \pm 3^\circ\text{F}$ for 1.5 minute for a total of 7 cycles.

Finding: The fittings did not show any signs of cracking, leaking, or deformation after the test.

5.4 Coatings – NOT APPLICABLE

There was no coating or finish.

5.8 Minimum Flow Rate – COMPLIED

The drain assemblies permitted a minimum flow rate of 7.0 gpm when a sustained water head of 6.0” was applied above the inlet and the outlet was open to the atmosphere.

Finding: The measured flow rate was more than 7.0 gpm.

5.9 Strength – COMPLIED

5.9.2 The drainage envelope parts of the drain withstood a hydrostatic pressure test of 5.0 psi for 1 minute without any evidence of leakage, cracking or permanent deformation when tested in accordance with Clause 5.9.2.2.

5.11 Seal Leakage – NOT APPLICABLE

The drain assembly did not contain any seal parts.

6.0 Markings, Packaging, and Installation Instructions

6.1 General – COMPLIED

The waste fittings were permanently marked with the manufacturer’s name and the marking was visible after installation.

6.2 Packaging – **DID NOT EVALUATE**

The packaging was not provided for evaluation. Refer manufacturer’s document for compliance.

Photographs of Samples Tested:

