

UL 1017 Test Fixture Set

Test Frame and Checkerboard Step Base

Mechanical test fixtures for floor cleaning appliance evaluation

Includes a polished composition-tile floor test frame and a checkerboard step and base for UL 1017 related laboratory test setup.

UL 1017 11th Edition

Section 7.2.8 Test Frame

Section 7.2.18 Figure 7.1

Complete Fixture Set

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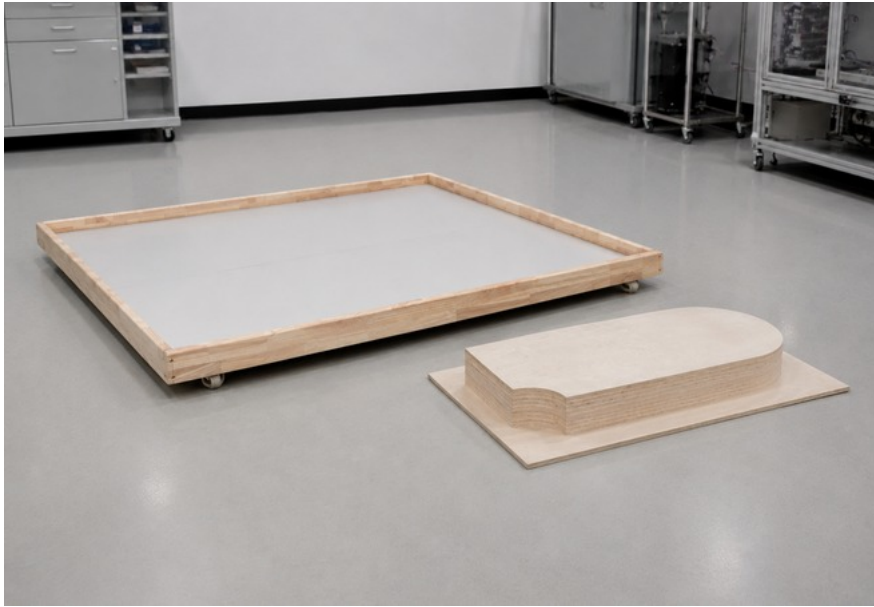


Product Overview

The UL 1017 Test Fixture Set provides physical test conditions for floor cleaning appliance evaluation. It is designed for laboratories and manufacturers working with vacuum cleaners, floor sweepers, household floor finishing machines and related products.

The test frame provides a defined polished composition-tile floor surface, while the checkerboard step and base supports the Figure 7.1 related test configuration. The fixtures help users create repeatable laboratory setups for product development, quality control and certification preparation.

This product is a passive mechanical fixture set. It does not perform automatic measurement, force control or data recording.



Standard-Related Fixture Set

The set includes two independent fixtures: the UL 1017 Section 7.2.8 test frame and the Section 7.2.18 Figure 7.1 checkerboard step and base.

Key Information

Standard:	UL 1017 11th Edition
Product Type:	Mechanical test fixture set
Included Fixtures:	Test Frame; Checkerboard Step and Base
Frame Size:	1500 x 1500 x 50 mm
Frame Surface:	Polished composition-tile floor
Test Object:	Vacuum cleaners, floor sweepers and household floor finishing machines
Supply Mode:	Complete set or individual fixtures

Technical Parameters



Fixture 1 - Test Frame

Related to UL 1017 Section 7.2.8; frame with polished composition-tile floor.



Fixture 2 - Checkerboard Step and Base

Related to UL 1017 Section 7.2.18 and Figure 7.1 test setup.

Parameter	Specification	Remark or Notes
Applicable Standard	UL 1017 11th Edition	Floor cleaning appliance safety standard
Product Type	Mechanical test fixture set	Physical setup accessory
Included Fixture 1	Test Frame	Related to Section 7.2.8
Included Fixture 2	Checkerboard Step and Base	Related to Section 7.2.18, Figure 7.1
Frame Dimensions	1500 x 1500 x 50 mm	Including polished composition-tile floor
Frame Surface	Polished composition-tile floor	Standard-related floor test surface
Test Object	Vacuum cleaners, floor sweepers, household floor finishing machines	Floor cleaning appliances
Supply Mode	Complete set or individual fixtures	According to customer requirement
Documentation	Dimensional inspection record available	Upon request

Testing Principle

The UL 1017 Test Fixture Set is used to establish defined physical test conditions for floor cleaning appliance evaluation. The test frame provides a controlled floor surface area, while the checkerboard step and base creates the specific step configuration required by UL 1017 Figure 7.1.

During testing, the appliance is positioned or operated on the required fixture according to the applicable UL 1017 clause. The fixture helps keep the floor surface, step structure and setup condition consistent under repeatable laboratory conditions.

Because the fixture set is passive, test results depend on the appliance sample, operating method, fixture condition, applicable clause and laboratory judgment criteria.



Common Error Mitigation

- 1 Confirm the clause**
Verify whether the project needs the Section 7.2.8 test frame, the Section 7.2.18 Figure 7.1 checkerboard step and base, or the complete set.
- 2 Protect the surface**
Keep the polished composition-tile floor and checkerboard step base clean, stable and free from visible damage or contamination.
- 3 Use the correct setup**
Follow the required positioning and operating instructions defined in the applicable UL 1017 clause or approved laboratory procedure.

Applications and Use Cases

Used by manufacturers and laboratories for floor cleaning appliance testing, including vacuum cleaners, floor sweepers and household floor finishing machines.

Typical applications include product development verification, internal quality control, pre-compliance testing, third-party certification preparation and repeatable physical test setup across different projects.

Key Advantages

1

Complete fixture configuration

Includes both the UL 1017 Section 7.2.8 test frame and the Section 7.2.18 Figure 7.1 checkerboard step and base.

2

Defined physical test surface

The test frame provides a 1500 x 1500 x 50 mm structure with polished composition-tile floor for standard-related setup.

3

Repeatable laboratory setup

Helps maintain consistent floor surface and step/base conditions during verification and pre-compliance testing.

4

Flexible supply option

The test frame and checkerboard step base can be supplied as a complete set or as individual fixtures.

5

Documentation support

Dimensional inspection records or related quality documents can be provided according to order requirements.

The Core Value We Deliver

For rare standard fixtures such as the UL 1017 Test Frame and Checkerboard Step Base, the key value is correct physical test setup rather than automation. KingPo helps customers convert UL 1017 clause requirements into practical laboratory fixtures that are easier to order, install and use.



Product Page

Scan to view online product details and send inquiry.

Please Provide for Configuration Review

- Applicable standard / clause
- Test object and laboratory procedure
- Required fixture or complete set
- Documentation and customization needs