intertek
Total Quality. Assured.

UNIRAC, INC
TEST REPORT

SCOPE OF WORK
ANSI/UL 441 TESTING ON UNIRAC® 3" SLIDER WITH 3" FLASHING, SFM

REPORT NUMBER
M6315.01-109-44

TEST DATE
08/03/21

ISSUE DATE
08/31/21

RECORD RETENTION END DATE
08/03/25

PAGES
10

DOCUMENT CONTROL NUMBER
ATI 00479 (07/24/17)
RT-R-AMER-Test-2805
© 2017 INTERTEK

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR UNIRAC, INC
Report No.: M6315.01-109-44
Date: 08/31/21

REPORT ISSUED TO
UNIRAC, INC.
1411 Broadway Boulevard NE
Albuquerque, New Mexico 87102-1545

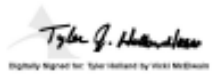
SECTION 1
SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by Unirac, Inc. to perform testing in accordance with ANSI/UL 441 on their Unirac® 3" Slider with 3" Flashing, SFM. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek B&C test facility in York, Pennsylvania.

SECTION 2
SUMMARY OF TEST RESULTS

SERIES/MODEL	2:12 PITCH
Unirac® 3" Slider with 3" Flashing	PASS

For INTERTEK B&C:

COMPLETED BY:	Tyler J. Holland	**REVIEWED BY:**	Vicki L. McElwain
TITLE:	Team Leader–Product Testing	**TITLE:**	Supervisor – Product Testing
SIGNATURE:		**SIGNATURE:**	
DATE:	08/31/21	**DATE:**	08/31/21

APM:nls

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 3
TEST METHOD(S)

The specimen was evaluated in accordance with the following:

ANSI/UL441 (2010), *UL Standard for Safety for Gas Vents, Section 27: Rain Test*, Underwriters Laboratories, Inc.

SECTION 4
MATERIAL SOURCE

Test specimen was provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 5
EQUIPMENT

Tape Measure Verification: 63788
Weather Station: 63316
Water Pressure Gauge: INT01184
Stopwatch: INT00974

SECTION 6
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Vicki L. McElwain	Intertek B&C
Tyler J. Holland	Intertek B&C

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR UNIRAC, INC
Report No.: M6315.01-109-44
Date: 08/31/21

SECTION 7
TEST SPECIMEN DESCRIPTION

Product Type: SFM
Series/Model: Unirac® 3" Slider with 3" Flashing

Product Size(s):

	WIDTH		HEIGHT		LENGTH	
	millimeters	inches	millimeters	inches	millimeters	inches
Overall mount size	44	1-3/4	35	1-3/8	76	3

Deck Construction: The test deck measured 3' wide by 3' high and was constructed of #2 Spruce-Pine-Fir nominal 2x6 lumber. One stud was centered on the deck for bolt attachment. Studs were attached to the top and bottom plates with #8 x 3" long drywall screws. A sheet of nominal 1/2" thick plywood was secured to the studs with #8 x 1-5/8" drywall screws. Silicone was utilized on the backside of the test panel to seal the perimeter. Felt paper underlayment was stapled onto the plywood and three-tab asphalt shingles were nailed to the test deck.

Installation of Unirac® 3" Slider: The aluminum Slider was installed onto a 0.042" thick by 3" wide by 12" long aluminum flashing. A 7/32" hole was drilled prior to the installation of the flashing. The flashing was installed under the fourth row of shingles. The flashing utilized a U-shaped bead of silicone sealant on the underside. The Slider was installed through the installation hole of the flashing using a 5/16" x 4" structural hex head bolt with a flat / EPDM washer. The bolt went through the 3/8" thick rubber grommet of the Slider and into the stud at midspan of the test deck.

SECTION 8
TEST RESULTS

The temperature during testing was 23°C (73°F). The results are tabulated as follows:

TITLE OF TEST	RESULTS	ALLOWED
Water Penetration, per UL 441 One hour of water spray	Pass	No leakage

General Note: All testing was performed in accordance with the referenced standard(s). Test was performed at a 2:12 pitch.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 9
CONCLUSION

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

SECTION 10
PHOTOGRAPH

Photo No. 1
Unirac® 3" Slider with 3" Flashing, SFM

intertek
Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 11

DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.