



WESTLAKE ROYAL ROOFING LLC
7575 Irvine Center Drive, Ste. 100
Irvine, California 92618
www.WestlakeRoyalRoofing.com

WAKAFLEX® FLASHING

CSI Section:

07 65 46 Flexible Flashing

1.0 RECOGNITION

Westlake Royal Roofing WakaFlex® Flashing described in this report is recognized for use as self-adhering flashing. The physical, durability, adhesion, and water resistance properties of the flashing were evaluated. The flashing complies with the intent of the provisions of the following codes and standards:

- 2021, 2018, 2015, 2012, and 2009 International Building Code® (IBC)
- 2021, 2018, 2015, 2012, and 2009 International Residential Code® (IRC)
- 2022 and 2019 California Building Code (CBC)
- 2022 and 2019 California Residential Code (CRC) - supplement attached
- 2020 Florida Building Code, Building
- 2020 Florida Building Code, Residential - supplement attached

2.0 LIMITATIONS

Use of WakaFlex® Flashing recognized in this report is subject to the following limitations:

2.1 Westlake Royal Roofing WakaFlex® Flashing shall be manufactured, identified, and installed in accordance with this report, the manufacturer’s published installation instructions, and the applicable code.

2.2 WakaFlex® Flashing is manufactured in Berlin, Germany.

3.0 PRODUCT USE

3.1 General: WakaFlex® Flashing recognized in this report is a self-adhering membrane used as flashing for roof applications such as, but not limited to, wall transitions, vent stacks and pipe penetrations in roof sheathing, step flashing on sloped roof to wall transitions, in valleys, and around chimneys, skylights, dormers, and solar panels. Uses include installation as a flashing from one roofing material to another, from one building material to another, and as a waterproofing material. WakaFlex® Flashing is recognized for use as a permanently exposed flashing as well as in concealed areas

of the roof covering. WakaFlex® Flashing is used as an alternative to the flashing material prescribed in Section 1507.3.9 of the IBC in Type V construction, or Section R903.2 of the IRC, subject to the limitations of this report.

3.2 Installation: Installation of the WakaFlex® Flashing shall comply with this report and the manufacturer’s published installation instructions. The installation instructions shall be available at the job site during installation. The surfaces to which the flashing membrane is applied shall be clean, dry, and free of any foreign materials. The surface shall be free of gaps, sharp edges, and protrusions.

WakaFlex® Flashing is recognized for use on concrete, clay, aluminum, galvanized steel, vinyl, wood structural panels, stone coated steel roofing panels, or polymer roofing substrates based on testing in accordance with AAMA 711.

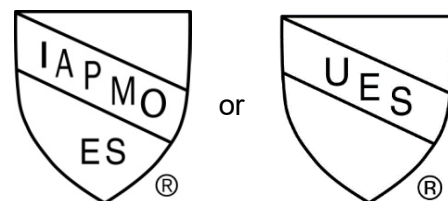
4.0 PRODUCT DESCRIPTION

WakaFlex® Flashing is composed of a polyisobutylene membrane with an internal aluminum mesh. The flashing is coated with butyl adhesive on the back and protected with a split release liner. The flashing is produced in 11-inch-wide (280 mm) by 33-foot-long (10.0 m) rolls, and in 22-inch-wide (560 mm) by 16.5-foot-long (5.0 m) rolls.

WakaFlex® Flashing shall be stored in the original, unopened container at ambient temperatures between 40°F to 90°F (5°C to 32°C). The storage area shall remain dry and out of direct sunlight. The flashing membrane shall not be removed from original containers until ready for use. The shelf life of the flashing membrane is one year from the date of manufacture.

5.0 IDENTIFICATION

Westlake Royal Roofing WakaFlex® Flashing described in Section 4.0 of this report is packaged and labeled with the manufacturer’s name (Westlake Royal Roofing LLC), product name (WakaFlex® Flashing), the UES Mark of Conformity, and the evaluation report number (ER-579). Either UES Mark of Conformity may also be used as shown below:



IAPMO UES ER-579

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.





6.0 SUBSTANTIATING DATA

Data and Test Reports submitted are from laboratories in compliance with ISO/IEC 17025.

6.1 Reports of testing in accordance with applicable sections of AAMA 711-13 and AAMA 711-20 Voluntary Specification for Self-adhering Flashing Used for Installation of Exterior Wall Fenestration Products, as applicable. The UV exposure was increased to 2,000 hours to address the long-term durability of the flashing and its ability to adhere to the recognized substrates.

6.2 Manufacturer's descriptive literature and published installation instructions.

6.3 Manufacturer's quality documentation.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Westlake Royal Roofing WakaFlex® Flashing to assess conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification. Products are manufactured at locations noted in Section 2.2 of this report under a quality control program with periodic inspections under the supervision of IAPMO UES.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org



CALIFORNIA SUPPLEMENT

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CSI Section:

07 65 46 Flexible Flashing

1.0 RECOGNITION

The Westlake Royal Roofing WakaFlex[®] Flashing described in IAPMO UES Evaluation Report ER-579 is recognized for use as self-adhering flashing in accordance with the following codes:

- 2022 and 2019 California Building Code (CBC)
- 2022 and 2019 California Residential Code (CRC)

2.0 LIMITATIONS

Use of the Westlake Royal Roofing WakaFlex[®] Flashing recognized in this report supplement is subject to the following limitations:

2.1 Use and installation shall be in accordance with ER-579, the manufacturer's published installation instructions, and the California Building Code or California Residential Code, as applicable.

2.2 The site-specific design criteria for wind speed, exposure category, and seismic design category shall be determined in accordance with Chapter 16 or 16A of the CBC or Section R301 of the CRC, as applicable.

2.3 This supplement expires concurrently with ER-579.

For additional information about this evaluation report please visit

www.uniform-es.org or email at info@uniform-es.org



FLORIDA SUPPLEMENT

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1.0 RECOGNITION

The Westlake Royal Roofing WakaFlex® Flashing described in IAPMO UES Evaluation Report ER-579 is recognized for use as self-adhering flashing in accordance with the following codes:

- 2020 Florida Building Code, Building (FBC, Building)
- 2020 Florida Building Code, Residential (FBC, Residential)

2.0 LIMITATIONS

Use of the Westlake Royal Roofing WakaFlex® Flashing recognized in this report supplement is subject to the following limitations:

2.1 Use and installation shall be in accordance with ER-579, the manufacturer's published installation instructions, and the Florida Building Code, Building or Florida Building Code, Residential, as applicable.

2.2 The site-specific design criteria for wind speed, exposure category, and seismic design category shall be determined in accordance with Chapter 16 of the FBC or Section R301 of the FBC, Residential, as applicable.

2.3 Westlake Royal Roofing WakaFlex® Flashing when used as flashing for clay and concrete tile shall be installed in accordance with the manufacturer's published installation instructions or the recommendations of the FRSA/TRI Florida High Wind Concrete and clay Roof Tile Installation Manual, Sixth Edition (December 31, 2020). The basic wind speed, V_{asd} shall be determined in accordance with Chapter 16 of the FBC, Building.

2.4 The use of Westlake Royal Roofing WakaFlex® Flashing in applications where the provisions of the High-Velocity Hurricane Zone are required as defined by the Florida Building Code, Building or Florida Building Code, Residential is outside the scope of this report.

2.5 For products falling under Section 5(d) of Florida Rule 61G20-3.001, verification that the product is manufactured under a quality control program audited by a quality assurance entity approved by the Florida Building Commission (or the building official when the report holder does not possess an approval by the Commission), is required.

2.6 This supplement expires concurrently with ER-579.

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