UL 2703A

Outline of Investigation for Flashing Devices and Systems for Rooftop-Mounted Photovoltaics

Issue Number: 2

May 1, 2026

Summary of Topics

This is the second issue of the Outline of Investigation for Flashing Devices and Systems for Rooftop-Mounted Photovoltaics, UL 2703A, dated May 1, 2026.

Portions of this document include excerpts from UL Standards. UL Standards are owned and copyrighted © by ULSE Inc. ULSE Inc. authorizes the use of these portions solely for use in this document.

UL's Outlines of Investigation are copyrighted by UL LLC. Neither a printed nor electronic copy of an Outline of Investigation should be altered in any way. All of UL's Outlines of Investigation and all copyrights, ownerships, and rights regarding those Outlines of Investigation shall remain the sole and exclusive property of UL LLC.

© 2026 UL LLC

UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL LLC

No Text on This Page

UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL LLC

CONTENTS

INTRODUCTION

1 Scope 5
2 Components 5
3 Units of Measurement 5
4 Referenced Publications 5
5 Glossary 6

CONSTRUCTION

6 General 8
7 Polymeric Materials 8
8 Metallic Materials 8
9 Corrosion Resistance 8

PERFORMANCE

10 General 9
11 Wind-Driven Rain Test (for steep slope roofing) 9
11.1 Test apparatus and samples 9
11.2 Test 10
12 Water Penetration Test 10
12.1 Test apparatus and samples 10
12.2 Test 10
13 Atmospheric Ozone Resistance Test 11
14 Water Immersion Test 11
15 Elongation and Tensile Tests 11
16 Tear Resistance Test 12
17 Impact Test 12
18 High Temperature Aging Test 12
19 Ultraviolet Light Exposure Test 13
20 Adhesion Test 13

MARKINGS

21 Details 13

INSTRUCTIONS

22 Installation, Assembly and Maintenance/Inspection Instructions 14

UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL LLC

No Text on This Page

UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL LLC

INTRODUCTION

1 Scope

1.1 These requirements cover flashing materials, devices, and systems intended to provide resistance to water penetration to the interior of the building, in situations where photovoltaic rack mounting systems penetrate roof covering systems. These products are intended to be installed in accordance with either the International Building Code (IBC) or the International Residential Code (IRC), and the installation instructions.

1.2 These requirements do not address the ability of flashing materials, devices, and systems to withstand the structural wind forces of tornados, cyclones, or hurricanes.

1.3 These requirements do not cover:

a) Performance during exposure to fire.

b) Structural attachments for the rack mounting system.

c) Structural performance of roof attachments for above roof mounting of photovoltaic (PV) modules and panels.

d) The mechanical and structural requirements of the IBC or IRC.

2 Components

2.1 A component of a product covered by this Outline shall:

a) Comply with the requirements for that component as specified in this Outline;

b) Be used in accordance with its rating(s) established for the intended conditions of use; and

c) Be used within its established use limitations or conditions of acceptability.

2.2 A component of a product covered by this Outline is not required to comply with a specific component requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product;

b) Is superseded by a requirement in this Outline; or

c) Is separately investigated when forming part of another component, provided the component is used within its established ratings and limitations.

3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

4 Referenced Publications

4.1 Any undated reference to a code or standard appearing in the requirements of this Outline shall be interpreted as referring to the latest edition of that code or standard.

UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL LLC