

ICC-ES Evaluation Report

ESR-2882

Reissued August 2019

Revised October 2019

This report is subject to renewal August 2021.

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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

TAMKO BUILDING PRODUCTS LLC

EVALUATION SUBJECT:

TW FLASH-N-WRAP® 25 REFLECTIVE SHEET MEMBRANE, TW FLASH-N-WRAP® 40 REFLECTIVE SHEET MEMBRANE, TW MOISTURE WRAP, AND TW FLASH-N-WRAP® PRO

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, and 2012 *International Building Code*® (IBC)
- 2018, 2015, and 2012 *International Residential Code*® (IRC)

Property evaluated:

Water resistance

2.0 USES

TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro are pressure-sensitive, self-adhering, cold-applied flashing membranes used as flashing around windows, frames, door frames and wall penetrations, with the materials and substrates noted in Sections 5.3 and 5.4. Use as a flashing material is recognized for Type V construction under the 2012 IBC and in non-fire-resistance-rated construction under the IBC and IRC. Under the 2018 and 2015 IBC, the flashing material is permitted for use on exterior walls of buildings of all construction types where the flashing is used with fenestration products in accordance with 2018 IBC Section 1402.5 (2015 IBC Section 1403.5).

3.0 DESCRIPTION

3.1 TW Flash-N-Wrap® 25 Reflective Sheet Membrane:

TW Flash-N-Wrap® 25 is a flexible, self-adhering, rubberized asphalt sheet membrane with a nominal thickness of 0.025 inch (0.64 mm). The membrane is available in 100-foot (30.5 m) rolls that are factory precut to widths of 4, 6, 9, 12 and 18 inches (102, 152, 229, 305 and 457 mm). The membrane is black with a reflective aluminum film on the exterior surface, and a release film on the adhesive side.

3.2 TW Flash-N-Wrap® 40 Reflective Sheet Membrane:

TW Flash-N-Wrap® 40 is a flexible, self-adhering, rubberized asphalt sheet membrane with a nominal thickness of 0.040 inch (1.02 mm). The membrane is available in 36-inch-wide-by-75-foot-long (914 mm by 22.9 m) rolls. The membrane is also available in factory pre-cut widths of 9 and 12 inches (229 and 305). The membrane is black with a reflective aluminum film on the exterior surface, and a release film on the adhesive side.

3.3 TW Moisture Wrap:

TW Moisture Wrap is a flexible, self-adhering, rubberized asphalt sheet membrane with a nominal thickness of 0.040 inch (1.02 mm). The membrane is available in 36-inch-wide-by-75-foot-long (914 mm-by-22.9 m) rolls. The membrane is also available in factory pre-cut widths of 4, 6, 9, 12, 18, and 24 inches (102, 152, 229, 305, 457, and 610). The membrane is black with a polymeric film on the exterior surface and a release film on the adhesive side.

3.4 TW Flash-N-Wrap® Pro:

TW Flash-N-Wrap® Pro is a flexible, self-adhering, rubberized asphalt flashing membrane with a nominal thickness of 0.025 inch (0.64 mm). The membrane is available in 100-foot (30.5 m) rolls that are factory pre-cut to widths of 4, 6 and 9 inches (102, 152 and 229 mm). The membrane is black with a white acrylic coated aluminum surface film and a removable treated release film on the adhesive side.

4.0 DESIGN AND INSTALLATION

Installation of the products described in this report must comply with this report and the manufacturer's published installation instructions. The installation instructions must be available at the jobsite at all times during installation.

The surfaces to which the membranes are applied must be dry and free of frost, dust and dirt, loose nails, and other protrusions. Contact of the adhesive surface with foreign matter that may affect the bond to the substrate must be avoided. The ambient air, membrane, and substrate temperatures must be at or above 40°F (4.4°C) at the time of application.

The membrane is applied around wall penetrations in the manner described in the manufacturer's published installation instructions and 2018 IBC Section 1404.4 (2015 and 2012 IBC Section 1405.4) and 2018 and 2015 IRC Section R703.4 (2012 IRC Section R703.8), as applicable. End joints must be overlapped the minimum distance specified in the manufacturer's published installation instructions. The membrane is cut to the desired length and

firmly pressed and smoothed out until it conforms tightly to the substrate. Wrinkles or trapped air bubbles must be removed in accordance with the manufacturer's published installation instructions.

5.0 CONDITIONS OF USE

The TAMKO Building Products LLC TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro products described in this report comply with, or are suitable alternatives to what is specified in those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation must comply with this report and the manufacturer's published installation instructions. In the event of conflict between this report and the installation instructions, this report governs.
- 5.2 The TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro must not be installed where they are subject to permanent direct weather exposure.
- 5.3 Installation of the TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, and TW Moisture Wrap membranes as a flashing material is limited to use with OSB, wood, insulating concrete form (ICF) systems, aluminum and vinyl-framed flanged windows and door frames and transitions to rigid flashings.
- 5.4 Installation of the TW Flash-N-Wrap® Pro membrane as a flashing material is limited to use with OSB, wood, masonry, insulating concrete form (ICF) systems, aluminum and vinyl-framed flanged windows and door frames and transitions to rigid flashings.

- 5.5 The products are limited to use in Type V construction under the 2012 IBC and in structures constructed in accordance with the IRC. Under the 2018 and 2015 IBC, the flashing material is permitted for use on exterior walls of buildings of all construction types, where the flashing is used with fenestration products in accordance with 2018 IBC Section 1402.5 (2015 IBC Section 1403.5).

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Flexible Flashing Materials (AC148), dated July 2017 (Editorially revised May 2018).

7.0 IDENTIFICATION

- 7.1 The TAMKO Building Products LLC TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro described in this report are identified by a label bearing the TAMKO Building Products LLC name, the product name, the manufacturing location and the evaluation report number (ESR-2882).
- 7.2 The report holder's contact information is the following:

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ICC-ES Evaluation Report

ESR-2882 CBC and CRC Supplement

Issued August 2019

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1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro, recognized in ICC-ES master evaluation report ESR-2882, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

- 2019 and 2016 *California Building Code*® (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 and 2016 *California Residential Code*® (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2882, complies with CBC Chapters 14 and 23, provided the design and installation are in accordance with the 2018 and 2015 *International Building Code*® (IBC) provisions as applicable, noted in the master report and the additional requirements of 14, 16, 17 and 23, as applicable.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.1.1 OSHPD:

OSHPD requirements as indicated in the CBC are beyond the scope of this supplement.

2.1.2 DSA:

DSA requirements as indicated in the CBC are beyond the scope of this supplement.

2.2 CRC:

The TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap, and TW Flash-N-Wrap® Pro, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2882, complies with the CRC, provided the design and installation are in accordance with the 2018 and 2015 *International Residential Code*® (IRC) provisions as applicable, noted in the master report.

The products have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the master report, reissued August 2019.