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ICC-ES Evaluation Report

ESR-2882

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Reissued 08/2017

This report is subject to renewal 08/2019.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 65 00—FLEXIBLE FLASHING

REPORT HOLDER:

TAMKO BUILDING PRODUCTS, INC.

**220 WEST FOURTH STREET
JOPLIN, MISSOURI 64801**

EVALUATION SUBJECT:

**TW FLASH-N-WRAP® 25 REFLECTIVE SHEET MEMBRANE, TW FLASH-N-WRAP®
40 REFLECTIVE SHEET MEMBRANE, TW MOISTURE WRAP
AND TW WINDOW & DOOR FLASH**



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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

TAMKO BUILDING PRODUCTS, INC.
220 WEST FOURTH STREET
JOPLIN, MISSOURI 64801
(417) 624-6644
www.tamko.com

EVALUATION SUBJECT:

TW FLASH-N-WRAP® 25 REFLECTIVE SHEET MEMBRANE, TW FLASH-N-WRAP® 40 REFLECTIVE SHEET MEMBRANE, TW MOISTURE WRAP AND TW WINDOW & DOOR FLASH

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2015, 2012 and 2009 *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 Window & Door Flash 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 Section 5.3. Use as a flashing material is recognized for Type V construction under the 2012 and 2009 IBC and in non-fire-resistance-rated construction under the IBC and IRC. Under the 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 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) and an approximate

weight of 13 pounds per 100 square feet (65 kg/m²). 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) and an approximate weight of 20 pounds per 100 square feet (98 kg/m²). 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 precut 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.

3.3 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) and an approximate weight of 22 pounds per 100 square feet (110 kg/m²). The membrane is available in 39³/₈-inch-wide-by-75-foot-long (1,000 mm by 22.9 m) rolls. The membrane is also available in factory precut widths of 4, 6, 9, 12, 18, 24, and 36 inches (102, 152, 229, 305, 457, 610, and 914 mm). The membrane is black with a polymeric film on the exterior surface and a release film on the adhesive side.

3.4 TW Window & Door Flash:

TW Window & Door Flash is a flexible, self-adhering, rubberized asphalt flashing membrane with a nominal thickness of 0.025 inch (0.64 mm) and an approximate weight of 13 pounds per 100 square feet (65 kg/m²). 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 white polymer 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 IBC Section 1405.4 and 2015 IRC Section R703.4 (2012 and 2009 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, Inc., TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap and TW Window & Door Flash 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 Window & Door Flash must not be installed where they are subject to permanent direct weather exposure.

- 5.3 Installation of the membrane as a flashing material is limited to use with OSB, wood, steel, concrete, masonry, exterior gypsum sheathing, Type II expandable polystyrene foam, Densglass® fiberglass faced sheathing boards, aluminum and vinyl-framed flanged windows and door frames and transitions to rigid flashings.

- 5.4 The products are limited to use in Type V construction under the 2012 and 2009 IBC and in structures constructed in accordance with the IRC. Under the 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 2015 IBC Section 1403.5.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Flexible Flashing Materials (AC148), dated April 2015.

7.0 IDENTIFICATION

The TAMKO Building Products, Inc., TW Flash-N-Wrap® 25 Reflective Sheet Membrane, TW Flash-N-Wrap® 40 Reflective Sheet Membrane, TW Moisture Wrap and TW Window & Door Flash described in this report are labeled with the manufacturer's name (TAMKO Building Products, Inc.) and address, the product name and the evaluation report number (ESR-2882).