



**EVALUATION REPORT**

**FLORIDA BUILDING CODE, 6<sup>TH</sup> EDITION (2017)**

**Manufacturer:** TAMKO BUILDING PRODUCTS, INC.  
P.O. Box 1404  
Joplin, MO 64802  
(417) 624-6644  
<http://www.tamko.com>

*Issued October 19, 2017*

**Quality Assurance:** UL LLC (QUA9625)

**SCOPE**

**Category:** Roofing  
**Subcategory:** Underlayments  
**Code Sections:** 1507.1.1  
**Properties:** Physical properties

**PRODUCT DESCRIPTION**

<b>TAMKO® ASTM Slate Surfaced Roll Roofing</b>	ASTM D 6380, Class M, Type II underlayment constructed from organic felt saturated with asphalt and coated on both sides with asphalt and surfaced with granules.
<b>TAMKO® ASTM Tile Underlayment</b>	ASTM D 6380, Class M, Type II underlayment constructed from an organic felt saturated with asphalt then coated on both sides with asphalt and surfaced with granules.
<b>TAMKO® Master Smooth</b>	ASTM D 6380, Class S, Type IV underlayment constructed from an organic felt saturated with asphalt then coated on both sides with asphalt and surfaced with a fine mineral. <u>For use in non-HVHZ only.</u>
<b>TAMKO® Moisture Guard®</b>	Self-adhered, ASTM D 1970, fiberglass reinforced, modified bitumen sheet membrane with a mineral surfacing and a removable release film on the adhesive side and removable self-edge release tape.
<b>TAMKO® No. 15 ASTM Asphalt Saturated Organic Felt</b>	ASTM D 226, Type I underlayment constructed from a non-perforated organic felt that is saturated with asphalt.
<b>TAMKO® No. 15 UL Asphalt Saturated Organic Felt</b>	ASTM D 226, Type I underlayment constructed from a non-perforated organic felt that is saturated with asphalt.
<b>TAMKO® No. 30 ASTM Asphalt Saturated Organic Felt</b>	ASTM D 226, Type II underlayment constructed from a non-perforated organic felt that is saturated with asphalt.
<b>TAMKO® No. 30 UL Asphalt Saturated Organic Felt</b>	ASTM D 226, Type II underlayment constructed from a non-perforated organic felt that is saturated with asphalt.
<b>TAMKO® TW Metal and Tile Underlayment</b>	Self-adhered, flexible, ASTM D 1970 and TAS 103, rubberized asphalt sheet membrane with a polymer film on the surface and a removable release film on the adhesive side.
<b>TAMKO® TW Underlayment</b>	Self-adhered, flexible, ASTM D 1970, rubberized asphalt sheet membrane with a polymer film on the surface and a removable release film on the adhesive side.

**TAMKO® TAM-FELT** Alternate to ASTM D 226, Type I and Type II underlayment constructed from a non-perforated organic felt that is saturated with asphalt.

### APPLICATION METHOD

*Installation shall be in accordance with the published manufacturer's installation instructions, the FBC, and the requirements below.*

Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application.

The roof deck shall be constructed of closely fitted plywood sheathing for new or existing construction. Plywood deck shall be installed in accordance with FBC requirements. Roof decks shall have no more than 1/8" gap at abutting joints.

The minimum application temperature shall be 50°F except as follows:

- a) The minimum application temperature of TAMKO® TW Metal and Tile Underlayment and TAMKO® TW Underlayment shall be 40°F.
- b) The minimum application temperature of TAMKO® Moisture Guard® shall be 35°F.

The minimum roof slope shall be in accordance with FBC requirements except as follows:

- a) The minimum slope of TAMKO® ASTM Slate Surfaced Roll Roofing shall be 2:12.

Underlayments shall be exposed in accordance with the manufacturer's recommendations, but in no case shall exposure exceed 30 days.

*Exception:* TAMKO® TW Metal and Tile Underlayment may be exposed for a maximum 90 days.

Self-adhering underlayments may be adhered to primed or unprimed plywood substrates in the non-HVHZ.

All roof coverings shall be mechanically fastened through the underlayment to the roof deck.

### Allowable Roof Coverings:

Underlayment	Asphalt Shingles	Metal Roof Panels and Shingles	Mineral Surfaced Roll Roofing	Wood Shingles and Shakes	Slate Shingles	Clay and Concrete Tile
TAMKO® ASTM Slate Surfaced Roll Roofing	Y <sup>1</sup>	N	N	N	N	Y
TAMKO® ASTM Tile Underlayment	N	N	N	N	N	Y
TAMKO® Master Smooth	Y <sup>1</sup>	N	N	N	N	N
TAMKO® Moisture Guard®	Y	N	N	N	N	N
TAMKO® No. 15 ASTM Asphalt Saturated Organic Felt	Y	Y	Y	Y <sup>2</sup>	N	N
TAMKO® No. 15 UL Asphalt Saturated Organic Felt	Y	Y	Y	Y <sup>2</sup>	Y	N
TAMKO® No. 30 ASTM Asphalt Saturated Organic Felt	Y	Y	Y	Y	Y	Y
TAMKO® No. 30 UL Asphalt Saturated Organic Felt	Y	Y	Y	N	Y	N
TAMKO® TW Metal and Tile Underlayment	Y	Y	N	N	N	Y
TAMKO® TW Underlayment	Y	Y	N	N	N	N
TAMKO® TAM-FELT	Y	N	N	N	N	N

Notes: 1) Open valley applications per 1507.2.9.2  
 2) Wood shingles only

## LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance is not within scope of this evaluation.
- 3) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 4) Contact the manufacturer when installing at temperatures below the minimum application temperature.
- 5) Unless otherwise stated, the minimum roof slope shall be in accordance with FBC requirements.
- 6) All underlayments shall be installed with the roll length parallel to the eave, starting at the eave, and lapped in successive courses installed up the deck in a manner that effectively sheds water from the deck. End laps shall be staggered between courses in accordance with the manufacturer's application instructions.
- 7) The underlayment may be used as described in other current FBC product approval documents.
- 8) The underlayment shall not be installed over existing roof coverings.
- 9) Contact the manufacturer regarding specific exposure limits for each underlayment.
- 10) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

## REFERENCES

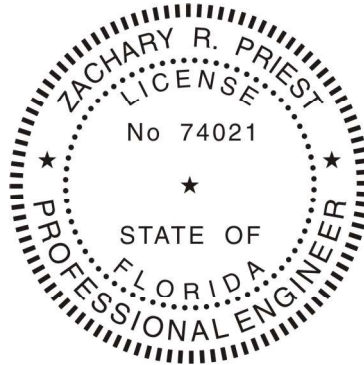
<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST6049)	TAP-192-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST6049)	TAP-193-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST6049)	TAP-214-02-01	ASTM D 4869	2016
PRI Construction Materials Technologies (TST6049)	TAP-215-02-01	ASTM D 226	2009
PRI Construction Materials Technologies (TST6049)	TAP-216-02-03	ASTM D 6380	2003(2013)
PRI Construction Materials Technologies (TST6049)	TAP-217-02-01REV	ASTM D 6380	2003(2013)
PRI Construction Materials Technologies (TST6049)	TAP-218-02-01	ASTM D 226	2009
PRI Construction Materials Technologies (TST6049)	TAP-219-02-01	ASTM D 226	2009
PRI Construction Materials Technologies (TST6049)	TAP-220-02-01	ASTM D 6380	2003(2013)
PRI Construction Materials Technologies (TST6049)	TAP-222-02-01	ASTM D 4869	2016
PRI Construction Materials Technologies (TST6049)	TAP-245-02-01	TAS 103	1995
		ASTM D 4798	2011
PRI Construction Materials Technologies (TST6049)	TAP-311-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST6049)	TAP-319-02-01.1	ACC 188	2012
PRI Construction Materials Technologies (TST6049)	TAP-387-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST6049)	TAP-388-02-01	ASTM D 1970	2015a
UL LLC (TST9628)	13CA12269	ASTM D 226	2009



## COMPLIANCE STATEMENT

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The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 6<sup>th</sup> Edition (2017) as evidenced in the referenced documents submitted by the named manufacturer.



  
Digitally signed by Zachary R. Priest

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Zachary R. Priest, P.E.  
Florida Registration No. 74021  
Organization No. ANE9641

## CERTIFICATION OF INDEPENDENCE

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CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

**END OF REPORT**