



EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

Manufacturer: TAMKO BUILDING PRODUCTS, INC. *Issued October 5, 2017*
P.O. Box 1404
Joplin, MO 64802
(417) 624-6644
<http://www.tamko.com>

Manufacture Location: Silvassa, India

Quality Assurance: Intertek Testing Services NA Inc. (QUA1673)

SCOPE

Category: Roofing
Subcategory: Underlayments
Code Sections: 1507.1.1, 1518.4
Properties: Physical properties

PRODUCT DESCRIPTION

TAMKO SyntheticGuard A mechanically attached, synthetic underlayment composed of a black coated polypropylene spun bond fabric surface, a polypropylene 5x5 scrim on the exposed side and a black coating on the sheathing side (nominal weight = 2.11 lb/100ft²). The underlayment shall be used an alternative to ASTM D 226, Type II roofing underlayments and has demonstrated a minimum tear strength of 20 pounds when tested in accordance with ASTM D 1970. The product is supplied in 9.2-sq rolls with nominal dimensions of 4-ft x 250.5-ft. Unless otherwise noted, the following application details shall be followed for New and Existing construction. See manufacturer's installation instructions for further detail.

TAMKO SyntheticGuard Plus A mechanically attached, synthetic underlayment composed of a grey coated polypropylene spun bond fabric surface, a polypropylene 10x5 scrim on the exposed side and a grey coating on the sheathing side (nominal weight = 3.05 lb/100ft²). The underlayment shall be used an alternative to ASTM D 226, Type II roofing underlayments and has demonstrated a minimum tear strength of 20 pounds when tested in accordance with ASTM D 1970. The product is supplied in 9.2-sq rolls with nominal dimensions of 4-ft x 250.5-ft. Unless otherwise noted, the following application details shall be followed for New and Existing construction. See manufacturer's installation instructions for further detail.



APPLICATION

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

Application: Non-HVHZ: Underlayment shall be installed in accordance with the FBC Table 1507.1.1 and manufacturer's installation instructions.

HVHZ: Underlayment shall be installed with a minimum 4-inch head lap and be fastened as specified in FBC Section 1518.2.

Allowable roof coverings: Non-HVHZ: Underlayment shall be used with mechanically attached roof covering systems as prescribed in FBC Section 1507.1.1.

HVHZ: Underlayment shall be used with mechanically attached asphalt shingles, wood shakes and shingles, non-structural metal roofing, or quarry slate.

LIMITATIONS

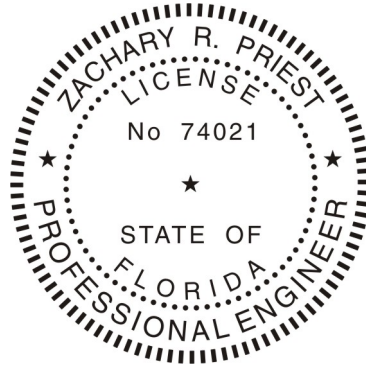
- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance is not within scope of this evaluation.
- 3) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 4) 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.
- 5) Roof slope limitations shall be in accordance with FBC requirements.
- 6) The underlayment may be used as described in other current FBC product approval documents.
- 7) Roof coverings shall not be adhered directly to the underlayment. Roof coverings shall be mechanically fastened through the underlayment to the roof deck.
- 8) The underlayment shall not be installed over existing roof coverings.
- 9) All underlayments shall be installed with the roll length parallel to the eave, starting at the eave, and lapped in success 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.
- 10) The underlayment shall be exposed on the roof deck for a maximum duration of 30 days.
- 11) 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>
Intertek Testing Services NA Ltd. (TST1509)	102404168COQ-004	ASTM D 226	2009
Intertek Testing Services NA Ltd. (TST1509)	102404168COQ-012	ICC-ES AC188	2012
Intertek Testing Services NA Ltd. (TST1509)	102751110COQ-002	ASTM E 108	2011
PRI Construction Materials Technologies (TST5878)	TAP-393-02-01	ASTM D 226	2009
		ASTM D 4869	2016
		ASTM D 4533	2015
PRI Construction Materials Technologies (TST5878)	TAP-394-02-01	ASTM D 226	2009
		ASTM D 4869	2016
		ASTM D 4533	2015

COMPLIANCE STATEMENT

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



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

CERTIFICATION OF INDEPENDENCE

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