



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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NOTICE OF ACCEPTANCE (NOA)

TAMKO Building Products LLC
P.O. Box 1404
601 North High Street
Joplin, MO 64801

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: TAMKO Underlayments

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 17-0531.01 and consists of pages 1 through 9.
The submitted documentation was reviewed by Hamley Pacheco, P.E.



NOA No.: 19-0917.04
Expiration Date: 07/05/22
Approval Date: 01/16/20
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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: SBS

SCOPE:

This approves **TAMKO Underlayments**, as described in this Notice of Acceptance; designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
TW Metal and Tile Underlayment <i>Manufacturing Location #1</i>	39 3/8" wide	ASTM D 1970	Self-adhering rubberized asphalt underlayment.
Moisture Guard <i>Manufacturing Location #1</i>	36" wide	ASTM D 1970	Self-adhering rubberized asphalt underlayment.
TW Underlayment <i>Manufacturing Location #2</i>	39 3/8" wide	ASTM D 1970	Self-adhering rubberized asphalt underlayment.
TAMKO SA Base <i>Manufacturing Location #1</i>	39 3/8" wide	ASTM D 1970	Self-adhering rubberized asphalt base sheet. Direct adhesion to wood deck not permitted in the HVHZ. Shall only be mechanically fastened to wood deck. Do Not Remove Release Film!
TAMKO SA Cap <i>Manufacturing Location #1</i>	39 3/8" wide	ASTM D 6164 Type I	Self-adhering rubberized asphalt cap sheet surfaced with granules.
AWAPLAN™ <i>Manufacturing Location #1</i>	39 3/8" wide	ASTM D 6164 Type I	Polyester SBS modified membrane surfaced with granules.
AWAPLAN TUL <i>Manufacturing Location #1</i>	39 3/8" wide	ASTM D 6164 Type I	Polyester SBS modified membrane surfaced with granules.

MANUFACTURING LOCATION:

1. Joplin, MO
2. Columbus, KS



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Trinity ERD	T11090.09.08	TAS 117(B)/ TAS 114(C)	09/18/08
PRI Asphalt Technologies, Inc.	TAP-191-02-01	ASTM D1970	11/16/07
	TAP-192-02-01	ASTM D1970	11/13/07
	TAP-193-02-01	ASTM D1970	11/16/07
	TAP-185-02-01REV	ASTM D6164	11/06/08
	TAP-196-02-01	ASTM D1970	01/09/08
	TAP-324-02-01	TAS 114-95	11/11/15
	TAP-238-02-01	ASTM D4601	08/25/10
	TAP-262-02-01	ASTM D4601	01/24/12
	TAP-262-02-02	ASTM D1970	01/24/12
	TAP-298-02-01	ASTM D6164	11/10/15
	TAP-298-02-03	ASTM D6164	05/10/17
	TAP-366-02-01	TAS 103 (Section 19)	05/24/17
	TAP-366-02-01	ASTM D1623	05/24/17
	TAP-367-02-01	ASTM D1623	05/02/17
	TAP-367-02-03	TAS 103 (Section 19)	05/09/17
	TAP-311-02-01	ASTM D1970	10/19/17
	TAP-473-02-01	ASTM D6164	06/04/19
	TAP-458-02-01	ASTM D1970	12/02/19
	TAP-462-02-01	ASTM D1970	01/21/19
	TAP-428-02-01	ASTM D1970	08/30/18
TAP-432-02-01	ASTM D1970	08/30/18	
	847T0005	TAS 103 (Section 19)	12/02/19

APPROVED ASSEMBLIES:

- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 19/32" or greater plywood or wood plank
- System E(1):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll.
- Membrane:** One or more plies of **TW Metal and Tile Underlayment** with a minimum 4" side lap and 6" end lap. Place the first course of membrane parallel to the eave rolling the membrane to obtain maximum contact. Remove the release liner as the membrane is applied. Vertical strapping of the roof with TW Metal and Tile Underlayment is acceptable.
- Surfacing:** Approved Metal Roofing Assembly or Approved Roofing Assemblies where an ASTM D1970 underlayment is allowed.



- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 1⁹/₃₂" or greater plywood or wood plank
- System E(2):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll.
- Membrane:** One or more plies of **Moisture Guard** with a minimum 3.5" side lap and 6" end lap. Place the first course of membrane parallel to the eave rolling the membrane to obtain maximum contact. Remove the release liner as the membrane is applied. Vertical strapping of the roof with Moisture Guard is acceptable.
- Surfacing:** Approved Roofing Assemblies where an ASTM D1970 underlayment is allowed.
- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 1⁹/₃₂" or greater plywood or wood plank
- System E(3):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll.
- Membrane:** One or more plies of **TW Underlayment** with a minimum 4" side lap and 6" end lap. Place the first course of membrane parallel to the eave rolling the membrane to obtain maximum contact. Remove the release liner as the membrane is applied. Vertical strapping of the roof with TW Underlayment is acceptable.
- Surfacing:** Approved Roofing Assemblies where an ASTM D1970 underlayment is allowed.
- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 1⁹/₃₂" or greater plywood or wood plank
- System E(4):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. in the field of the roll.
- Membrane:** One or more plies of **AWAPLAN or AWAPLAN TUL** applied at a right angle (90⁰) to the slope of the deck adhered in a full mopping of approved asphalt applied within the EVT range at a rate of 20-40 lbs./sq. Vertical strapping of the roof with AWAPLAN or AWAPLAN TUL underlayments is acceptable.
- When used in Tile roof systems the cap sheet shall be back nailed to deck with approved annular ring shank nails and tin caps at a maximum 12" o.c. at the side laps and 6" o.c. at the end laps. No nails or tin caps shall be exposed.
- Surfacing:** Approved Mechanically Fastened or Mortar Adhered Tile or Metal Roofing Assembly or Approved Roofing Assemblies where an ASTM D6164 underlayment is allowed.



- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 1⁹/₃₂" or greater plywood or wood plank
- System E(5):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of **TAMKO SA Base**, ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. in the field of the roll. **Shall only be mechanically fastened to wood deck. Direct adhesion to wood deck not permitted in the HVHZ. Do Not Remove Release Film!**
- Membrane:** One or more plies of **TAMKO SA Cap** with a minimum 4" side lap and 6" end lap. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact with base sheet. Remove the release liner as the membrane is applied. Vertical strapping of the roof with TAMKO SA Cap underlayment is acceptable.
When used in Tile roof systems the cap sheet shall be back nailed to deck with approved annular ring shank nails and tin caps at a maximum 12" o.c. at the side laps and 6" o.c. at the end laps. No nails or tin caps shall be exposed
- Surfacing:** Approved Mechanically Fastened or Mortar Adhered Tile or Metal Roofing Assembly or Approved Roofing Assemblies where an ASTM D6164 membrane is allowed.
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- Deck Type 1:** Wood, Non-insulated
- Deck Description:** 1⁹/₃₂" or greater plywood or wood plank
- System E(6):** Anchor sheet mechanically fastened to deck, membrane adhered.
- Base Sheet:** One or more plies of ASTM D226 Type II or ASTM D2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved annular ringshank nails and tin caps 6" o.c. at the laps and three staggered rows 6" o.c. the field of the roll.
- Membrane:** One or more plies of **TAMKO SA Cap** with a minimum 4" side lap and 6" end lap. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact with base sheet. Remove the release liner as the membrane is applied. Vertical strapping of the roof with TAMKO SA Cap underlayment is acceptable.
When used in Tile roof systems the cap sheet shall be back nailed to deck with approved annular ring shank nails and tin caps at a maximum 12" o.c. at the side laps and 6" o.c. at the end laps. No nails or tin caps shall be exposed
- Surfacing:** Approved Mechanically Fastened or Mortar Adhered Tile or Metal Roofing Assembly or Approved Roofing Assemblies where an ASTM D6164 membrane is allowed.



Tile Staging/Stacking Detail



Side View - Staged Tiles (Slope →)



Front View - Staged Tiles (Slope ↓)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code. TAMKO Underlayments shall be installed in strict compliance with applicable Building Codes.
3. All TAMKO Underlayments shall be applied to a smooth, clean and dry surface with deck free of irregularities. Deck shall be fastened in strict compliance with applicable Building Codes.
4. All TAMKO Underlayments shall not be applied over an existing roof membrane as a recover system but may be applied over an approved roofing Base/Anchor sheet underlayment.
5. TW Metal and Tile Underlayment, Moisture Guard, TW Underlayment, TAMKO SA Base and TAMKO SA Cap shall not be left exposed as a temporary roof for longer than 30 days of application.
6. AWAPLAN and AWAPLAN TUL shall not be left exposed as a temporary roof for longer than 180 days of application.
7. The standard maximum roof pitch for TAMKO SA Cap shall be 4:12 for flat tile and profiled tiles with lugs. See Tile Staging/Stacking Detail.
8. The standard maximum roof pitch for AWAPLAN and AWAPLAN TUL shall be 4:12 for flat tile and profiled tiles with lugs. See Tile Staging/Stacking Detail.
9. Tile storage shall be on a battens or toe boards when the underlayment slope limit (See #7 & #8 above) is exceeded. Care should be taken during the loading procedure to keep foot traffic to a minimum and to avoid dropping of tile directly on the underlayment.
10. Refer to Prepared Roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products.
11. The TAMKO Underlayments may be used with any approved roof covering Notice of Acceptance listing the TAMKO Underlayment as a component part of an assembly in the Notice of Acceptance. If TAMKO Underlayments are not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Section for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
12. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose decking panels. Sweep the deck thoroughly to remove any dust and debris prior to application.



GENERAL LIMITATIONS:

- 13. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions. For ridge applications, center the membrane and roll from the center outward in both directions.
- 14. For the self adhered membranes roll or broom the entire membrane surface so as to have 100% contact with the base sheet, giving special attention to overlap areas.
- 15. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance and applicable Building Code.
- 16. All protrusions or drains shall be initially taped with a 6" piece of approved TAMKO Underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of the same TAMKO Underlayment shall be applied over the taped underlayment.
- 17. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
- 18. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



TAMKO APPLICATION GUIDANCE SPECIFIC TO THIS NOA
FOR THE FOLLOWING PRODUCTS WHEN USED AS UNDERLAYMENTS

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS. LOCAL CODES MAY SUPERSEDE THE TAMKO REQUIREMENTS AND RECOMMENDATIONS LISTED BELOW.

Moisture Guard

1. TAMKO accepts direct adhesion to wood decks in situations where direct deck installation is permitted by applicable local building codes.
2. Moisture Guard is not to be used in any situation that requires permanent exposure.
3. TAMKO permits application with roll length parallel to roof slope at slopes at or above 21:12. All side and end laps must be rolled with a roofing seam roller in addition to brooming the entire surface.

TW Metal and Tile Underlayment

1. TAMKO accepts direct adhesion to wood decks in situations where direct deck installation is permitted by applicable local building codes.
2. TW Metal and Tile Underlayment is not to be used in any situation that requires permanent exposure.
3. When used as a concrete or clay tile underlayment TAMKO requires mechanical fastening of every tile regardless of slope or tile attachment method.
4. Minimum elapsed time after installation and before loading of concrete or clay roof tiles is 48 hours.
5. TAMKO permits application with roll length parallel to roof slope at slopes at or above 21:12. All side and end laps must be rolled with a roofing seam roller in addition to brooming the entire surface.

TW Underlayment

1. TAMKO accepts direct adhesion to wood decks in situations where direct deck installation is permitted by applicable local building codes.
2. TW Underlayment is not to be used in any situation that requires permanent exposure.
3. TAMKO permits application with roll length parallel to roof slope at slopes at or above 21:12. All side and end laps must be rolled with a roofing seam roller in addition to brooming the entire surface.

TAMKO SA Base

1. TAMKO accepts direct adhesion to wood decks in situations where direct deck installation is permitted by applicable local building codes.
2. SA Base is not to be used in any situation that requires permanent exposure.
3. TAMKO permits application with roll length parallel to roof slope at or above ¾:12. All side and end laps must be rolled with a roofing seam roller in addition to brooming the entire surface.
4. When mechanically-fastening SA Base, the release liner may be left in place. Fasten the sheet along the side lap at intervals of no more than 8 inches. Stagger fasteners on no more than 16 inch centers along two lines located 13 inches from each edge of the base sheet.



TAMKO APPLICATION GUIDANCE SPECIFIC TO THIS NOA
FOR THE FOLLOWING PRODUCTS WHEN USED AS UNDERLAYMENTS

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS. LOCAL CODES MAY SUPERSEDE THE TAMKO REQUIREMENTS AND RECOMMENDATIONS LISTED BELOW.

TAMKO SA Cap

1. TAMKO accepts direct adhesion to wood decks in situations where direct deck installation is permitted by applicable local building codes.
2. SA Cap is permitted to be used as a concrete or clay tile underlayment for mechanically-fastened or mortar-set tile. When used with mortar attachment of tile, TAMKO requires mechanical fastening of every tile regardless of slope.
3. Minimum elapsed time after installation and before loading of roof tiles is 48 hours.
4. TAMKO permits application with roll length parallel to roof slope at slopes at or above $\frac{3}{4}$:12. All side and end laps must be rolled with a roofing seam roller in addition to brooming the entire surface.
5. All adhesive-to-granule laps must be formed using TAMKO TWM-1 Mastic, TAM-PRO Q-15 Elastomeric Flashing Cement or TAM-PRO Q-20 Premium SBS Flashing Cement as directed in the applicable TAMKO application instructions.
6. Damage to the membrane that occurs during installation must be repaired by setting a patch of SA Cap that extends a minimum of 6 inches beyond the damaged area on all sides in TAM-PRO Q-15 Elastomeric Flashing cement or TAM-PRO Q-20 Premium SBS Flashing Cement.

AWAPLAN

1. AWAPLAN is permitted to be used as a concrete or clay tile underlayment for mechanically-fastened tile.
2. TAMKO permits application with roll length parallel to roof slope at slopes at or above $\frac{3}{4}$:12.
3. Damage to the membrane that occurs during installation must be repaired by setting a patch of AWAPLAN that extends a minimum of 6 inches beyond the damaged area on all sides in TAM-PRO Q-15 Elastomeric Flashing cement or TAM-PRO Q-20 Premium SBS Flashing Cement.

AWAPLAN TUL

1. AWAPLAN TUL is permitted to be used as a concrete or clay tile underlayment for mechanically-fastened or mortar-set tile.
2. TAMKO permits application with roll length parallel to roof slope at slopes at or above $\frac{3}{4}$:12.
3. Damage to the membrane that occurs during installation must be repaired by setting a patch of AWAPLAN TUL that extends a minimum of 6 inches beyond the damaged area on all sides in TAM-PRO Q-15 Elastomeric Flashing cement or TAM-PRO Q-20 Premium SBS Flash.

END OF THIS ACCEPTANCE



NOA No.: 19-0917.04
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