MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

TAMKO Roofing Products
220 West 4th 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 by the BCCO and accepted by the Building Code and Product Review Committee 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: TAMKO TW Metal and Tile Underlayment

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 consists of pages 1 through 3.
The submitted documentation was reviewed by Frank Zuloaga, RRC

PRODUCT CONTROL ACCEPTED

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: 07520 Underlayment
Material: Rubberized Asphalt

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
TW Metal and Tile Underlayment	39-⅜" x 30.5' rolls 39-⅜" x 61' rolls	TAS 103	Flexible, self-adhering rubberized asphalt sheet material for use as an underlayment in sloped roof assemblies.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Exterior Research & Design, LLC	4448.12.01-1 4448.05.02-1	TAS 103	12/19/2001 05/29/2002
PRI Asphalt Technologies, Inc.	TAP-058-02-01 TAP-058-02-02	TAS 103	04/30/2002 05/23/2002

APPROVED ASSEMBLIES:

Deck Type 1: Wood, non-insulated, new construction

Deck Description: $^{19}/_{32}$" or greater plywood or wood plank

System E(1): Anchor sheet mechanically fastened deck, membrane adhered.

Base Sheet: One or more plies of ASTM D 226 Type II or ASTM D 2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved 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 membrane as the membrane is applied. Vertical strapping of the roof with TW Metal and Tile Underlayment is acceptable.

Surfacing: Approved Mechanically Fastened Tile or Metal Roofing Assembly.

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. TW Metal and Tile underlayment shall be installed in strict compliance with applicable Building Code.
3. TW Metal and Tile underlayment shall be applied to a smooth, clean and dry surface with deck free of irregularities.
4. TW Metal and Tile underlayment shall not be applied over an existing roof membrane.
5. TW Metal and Tile underlayment shall not be left exposed as a temporary roof for longer than 90 days of application.
6. The standard maximum roof pitch for TW Metal and Tile underlayment shall be 4:12 for flat tile installation and 4:12 profiled tiles with lugs.
7. Refer to Prepared Roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products.
8. Tile storage shall not be on a non-battened roof deck. 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.
9. TW Metal and Tile underlayment may be used with any approved roof covering Notice of Acceptance listing TW Metal and Tile underlayment as a component part of an assembly in the Notice of Acceptance. If TW Metal and Tile underlayment is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
10. 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.
11. 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.
12. Roll or broom the entire membrane surface so as to have 100% contact with the surface, giving special attention to overlap areas.
13. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance and applicable Building Code.
14. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of TW Metal and Tile underlayment shall be applied over the underlayment.
15. All membranes shall bear the imprint or identifiable marking of the manufacturer's name or logo, or following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade logo.

END OF THIS ACCEPTANCE