

# TAMKO® TW METAL AND TILE

## Underlayment

PRODUCT DATA

### DESCRIPTION

TAMKO® TW METAL AND TILE UNDERLAYMENT is a flexible, fiberglass reinforced, self-adhering rubberized asphalt sheet membrane with a polymer film on the surface and a removable treated release film on the adhesive side.

### USES

TAMKO TW METAL AND TILE UNDERLAYMENT is well suited for use as an underlayment where prevention of water penetration is required prior to installation of a metal roof system or a mechanically fastened tile roof system\*. TW Metal and Tile Underlayment also provides secondary protection against water penetration after installation of the roof system. When fasteners penetrate the TW Metal and Tile Underlayment membrane during installation of a metal roof system, the metal roof system manufacturer's recommendations should be followed to assure watertight integrity at the fastener penetrations.

\*Before installing TW Metal and Tile Underlayment under copper roofing, a design professional must be consulted to analyze the interaction of the building, roof deck, and roof assembly with regards to adequate temperature resistance.

### ADVANTAGES

- Textured surface provides skid resistance.
- Strong fiberglass reinforcement for added stability during installation.
- Split treated release film for easier installation.
- Meets ASTM D 1970 for nail sealability of self-adhering roofing underlayments.
- High temperature resistance up to 250° F.
- Can be left exposed for up to 90 days before application of finished roof.
- ICC-ES Legacy Report ER-5939
- Miami-Dade County Florida NOA 02-0110.01 Exp. 07/05/07
- Florida Building Code Approval # FL 1478

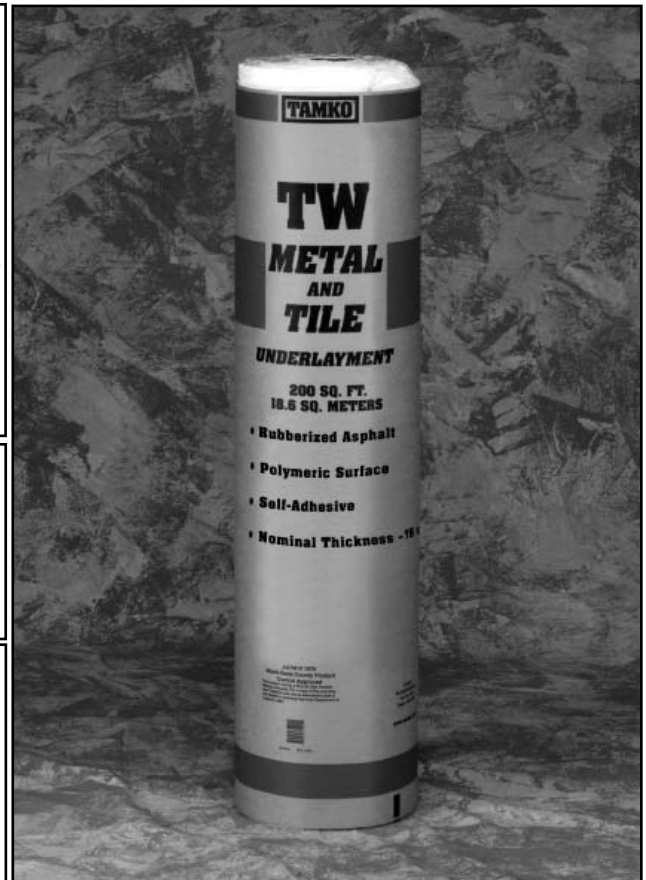
### LIMITATIONS

- Membrane should not be applied to damp, frosty or contaminated surfaces.
- Membrane should not come into contact with products containing coal-tar pitch.
- Best applied at temperatures of 40°F and higher.

### PRODUCT DATA\*\*

	<b>2 Square</b>
Roll Size	200 sq. ft.
Roll Dimensions	39-3/8" x 61'
Thickness	75 mil
Rolls Per 37" x 47" Pallet	20 rolls

\*\*All values stated as nominal.



### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Tensile Strength, Membrane	ASTM D 1970	30 lbf/in.
Elongation Modified Bitumen Portion	ASTM D 1970	40%
Low Temp. Flexibility	ASTM D 1970	-15° F
Adhesion to Plywood at 75° F	ASTM D 1970	15 lbf/ft width (min.)
Permeance	ASTM E 96 (BW)	0.05 perms (max.)

**CAUTION:** The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not burn this product.

www.tamko.com

Corporate	220 West 4th Street, Joplin, Missouri 64801	800-641-4691
Central District	220 West 4th Street, Joplin, Missouri 64801	800-641-4691
Northeast District	4500 Tamko Drive, Frederick, Maryland 21703	800-368-2055
Southeast District	2300 35th Street, Tuscaloosa, Alabama 35401	800-228-2656
Southwest District	7910 South Central Expressway, Dallas, Texas 75216	800-443-1834
Western District	5300 East 43rd Avenue, Denver, Colorado 80216	800-530-8868

**TAMKO®**  
**BUILDING PRODUCTS**

# TAMKO

## TW Metal and Tile Underlayment

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

To begin, remove any dust, dirt, loose nails or other protrusions from the deck of new roofs. Remove all shingles, roofing felt, nails, or other existing roofing materials and debris from the deck of existing roofs. Sweep thoroughly to remove any dust and dirt. For best application, apply TAMKO TW METAL AND TILE UNDERLAYMENT only in fair weather and when air, substrate, and membrane temperatures are above 40° F.

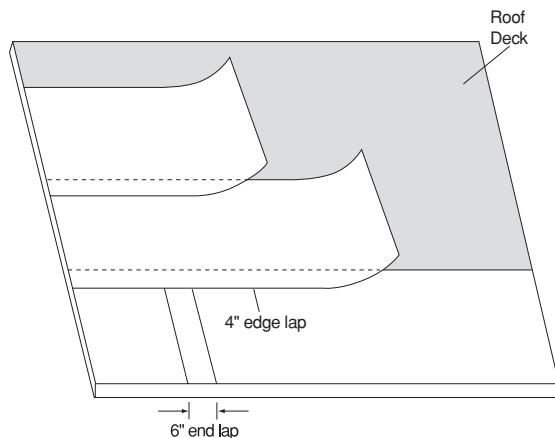
#### FOR ROOF DECKS

Apply TAMKO TW METAL AND TILE UNDERLAYMENT from low to high point in shingle fashion as shown below, so that laps will shed water. Overlap edge seams 4". End seams should be overlapped 6" and staggered. Where necessary, the membrane may be unrolled and cut into 10- to 15-foot lengths. Align the membrane on the lower edge of the roof. Remove the release film from the membrane then press the membrane into place. Roll lower edges firmly with a wallpaper roller or other hand roller; "Broom in" the installed membrane using an industrial flat broom or squeegee. Bear down on the installed membrane with the broom or squeegee to insure total, even adherence to the substrate. Care should be taken not to damage the surface when brooming.

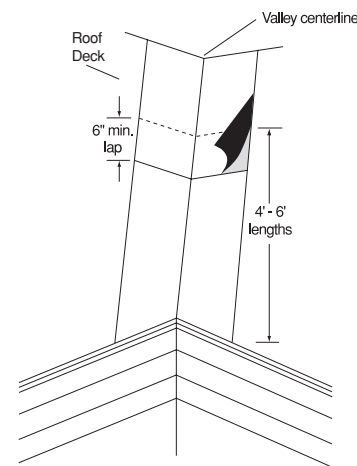
#### FOR VALLEYS AND RIDGES

Where necessary, the membrane may be unrolled and cut into 4- to 6-foot lengths. Peel the release film and center sheet over valley or ridge. Drape and press sheet into place, working from the center of the valley or ridge outward in each direction. For valleys, apply the membrane starting at the lowest point and work upward. Overlap all sheets a minimum of 6 inches. The TW METAL AND TILE UNDERLAYMENT should be used on "closed valley" applications only. TW METAL AND TILE UNDERLAYMENT should not be left permanently exposed to the weather. It must be covered by roofing materials.

#### TW METAL AND TILE UNDERLAYMENT FIELD APPLICATION



#### VALLEY FLASHING DETAIL



#### PROVIDE VENTILATION WHEN USING OVER THE ENTIRE ROOF DECK

When using TW METAL AND TILE UNDERLAYMENT over the entire roof deck the roof must include a system to provide adequate ventilation for all space immediately below the roof deck. Such ventilation system should be designed in accordance with architectural design standards appropriate to the size, nature, and location of the structure and should include both ridge and soffit venting. For further information on providing adequate ventilation contact your architect, building contractor, building materials supplier, or TAMKO.

#### IMPORTANT:

**Tiles can slide during roof loading and until properly fastened. In order to protect TW Metal and Tile Underlayment from damage, care must be taken to insure stability of stacked tiles. Fasteners and batten strips must be used when installing tiles over TW Metal and Tile. TAMKO requires the fastening of every tile in addition to mortar or adhesive, or foam regardless of the slope. These are TAMKO's minimum requirements. State and local registrations may contain additional requirements.**

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This product is covered by a 5-year limited warranty. For information regarding or a copy of TAMKO's limited warranty, contact your local TAMKO representative, visit us online at [www.tamko.com](http://www.tamko.com), or call us at 800-641-4691.