

# Self-Adhered Roofing System Application Instructions

THESE ARE THE APPLICATION INSTRUCTIONS FOR TAMKO SA CAP AND TAMKO SA BASE ROOFING SYSTEM. TAMKO BUILDING PRODUCTS, INC. IS NOT RESPONSIBLE FOR LEAKS OR OTHER ROOFING PROBLEMS RESULTING FROM IMPROPER APPLICATION. FAILURE TO PROPERLY APPLY THIS PRODUCT ACCORDING TO THESE INSTRUCTIONS CAN RESULT IN UNSAFE CONDITIONS AND CAN ADVERSELY AFFECT COVERAGE OF THE LIMITED WARRANTY. CHECK LOCAL BUILDING CODES TO DETERMINE SUITABILITY OF THIS PRODUCT FOR YOUR INTENDED USE.

ROOFING SYSTEMS BEGIN TO AGE AS SOON AS THEY ARE EXPOSED TO NATURE. BUILDINGS EXPERIENCE AGING FACTORS DIFFERENTLY, SO IT IS DIFFICULT TO PREDICT HOW LONG ROOFING SYSTEMS WILL LAST. THAT'S WHY TAMKO PROVIDES A LIMITED WARRANTY, THAT INCLUDES A BINDING ARBITRATION CLAUSE AND OTHER TERMS AND CONDITIONS WHICH ARE INCORPORATED HEREIN BY REFERENCE. YOU MAY OBTAIN A COPY OF THE LIMITED WARRANTY AT TAMKO.COM OR BY CALLING 1-800-641-4691. THE OBLIGATIONS CONTAINED IN THE LIMITED WARRANTY ARE EXPRESSLY IN LIEU OF ALL OTHER OBLIGATIONS, GUARANTEES, WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER OBLIGATIONS OR LIABILITY ON THE PART OF TAMKO.



**SAFETY PRECAUTION:** THIS PRODUCT MAY BECOME SLIPPERY DURING ROOF APPLICATION. Follow all proper fall protection procedures in accordance with OSHA requirements—including the use of personal fall protection devices when working on a roof. Applicator safety is of utmost importance. Personal fall protection devices, safety glasses and hearing protection should always be used when applying TAMKO SA CAP and TAMKO SA BASE. Moisture, frost or debris may decrease the traction while walking on TAMKO SA CAP AND TAMKO SA BASE. PLEASE EXERCISE CAUTION DURING INSTALLATION.

SDS INFORMATION IS AVAILABLE ONLINE AT TAMKO.COM OR BY CALLING TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 1-800-641-4691.

TAMKO SA CAP and TAMKO SA BASE roof system is covered by a TAMKO SA Roofing System 15-Year Limited Warranty and Arbitration Agreement when applied according to these application instructions.

## USES

A self-adhering SBS-modified roofing system that combines the uses of SBS-modified sheet membranes with the installation ease of a self-adhering product. Used for low-sloped residential roofing applications (not including multi-family housing).

When either TAMKO SA CAP or TAMKO SA BASE is installed as a component of a separate roofing system, follow application instructions available on tamko.com for the low-slope product applied. Refer to the Low-Slope Roofing Products Limited Material Warranty and Arbitration Agreement, TABLE 1 and the type of TAMKO low-slope product applied for the Limited Warranty Term.

## WARNING

This product contains crystalline silica. Crystalline silica has been classified as a "known human carcinogen" by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. This product also contains oxidized asphalt. Occupational exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a "probable human carcinogen". Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as "known" or "probable human carcinogen". The physical nature of this product may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of this product. Take precautions to prevent breathing and contact with skin.



**WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product).**



Information included in these application instructions was current at the time of printing. To obtain a copy of the most current version of these application instructions, visit us online at [www.tamko.com](http://www.tamko.com) or call us at 1-800-641-4691.

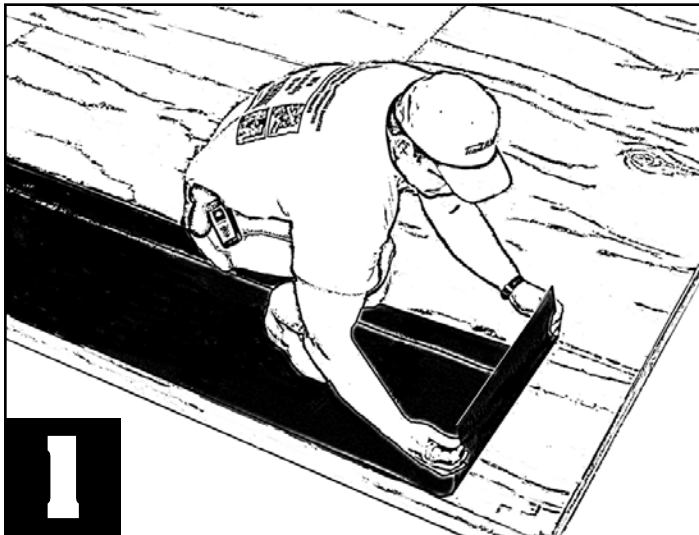
# How to Apply TAMKO's Self-Adhered Roofing System

IN THE ILLUSTRATIONS BELOW, FALL PROTECTION WAS REMOVED FOR EASE OF VIEWING THE INSTRUCTIONS. FALL PROTECTION MUST BE WORN AT ALL TIMES WHEN INSTALLING PRODUCT.

## DECK REQUIREMENTS

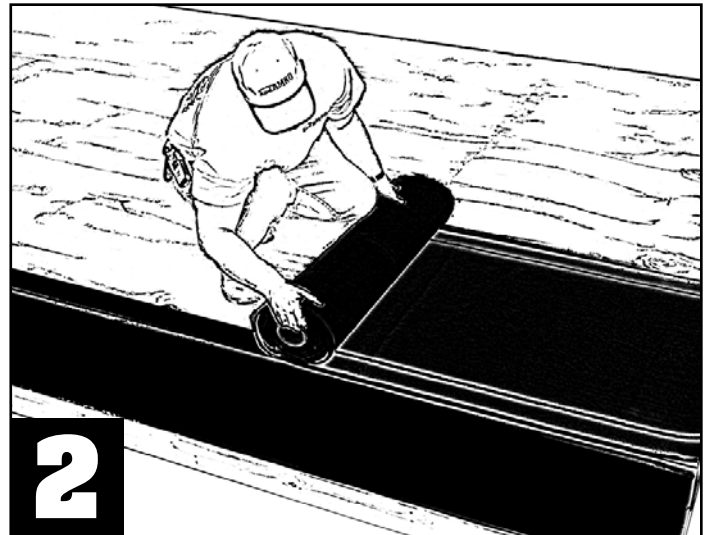
The deck must be built with a nominal 1/2" exterior wood decking.

- All wood products must be properly conditioned to be at moisture equilibrium. Failure to use properly conditioned deck materials may result in deck movement, which will distort the overlying roofing materials. Distortion of roofing materials as the result of deck movement is not a manufacturing defect of the roofing product.
- Roof must have a positive slope with no ponding water.
- Inclines over 3/4":12 will require the SA membrane to be nailed at 6" intervals across the top of the sheet using standard roofing nails and a minimum 1" tin plate or 1" capped nails (plastic or metal) of adequate length to penetrate minimum of 3/4" into the roof deck.
- Proper ventilation is required for the space beneath the roof deck. (Refer to FHA minimum property standards for ventilation)
- Remove all existing roofing materials, dust, dirt, loose nails, and debris from the deck prior to installation.
- When increased adhesion is needed, prime exterior wood decking with TAM-PRO® 814 LOW VOC ASPHALT PRIMER, TAM-PRO® 813 ASPHALT PRIMER or ASTM D41 primer. Primer should be allowed to dry to the touch per the primer instructions, before applying the base sheet.
- **Caution: Apply materials only in fair dry weather when the interface temperature is (air, roof deck, membrane) above 45°F.**
- TAMKO SA BASE and SA CAP should be stored in temperatures above 45° F. If TAMKO SA Base and SA Cap have been stored in temperatures below 45° F, the materials must be restored to a temperature above 45° F prior to installation.
- For wind uplift ratings for these products, go to the UL Online Certifications Directory or call TAMKO Technical Services at 1-800-641-4691.



Cut in half one ply of the 39-3/8" wide TAMKO SA BASE Sheet to 19-11/16" width. Starting at the low point of the roof, remove the release film and install this half sheet at a right angle to the slope.

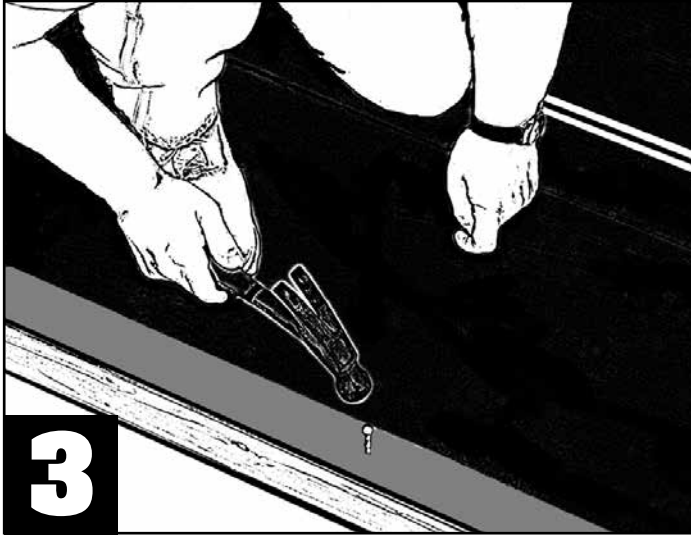
Alternate Nail Application for TAMKO SA Base: Nail sheets along the laps at intervals of no more than 8", and stagger-nail down the center of the sheet on 16" centers using standard roofing nails and a minimum 1" tin plate or a 1" cap nail (metal).



Then install a full 39-3/8" wide sheet side lapped 2" and end lapped 4". Remove release liner to adhere TAMKO SA BASE. Be careful to offset the end laps a minimum of 18".

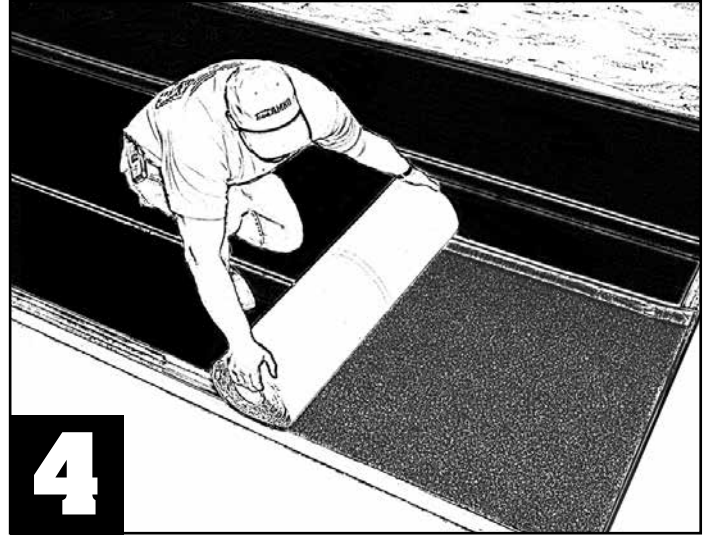
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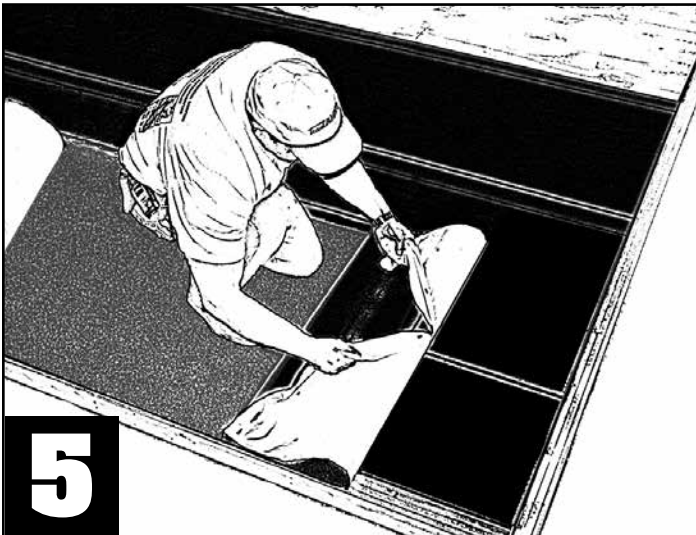
Install metal drip edge at the rakes and eaves.

- All metal must be cleaned, to ensure surface contaminates are removed, and all metal must be lightly primed with TAM-PRO® 814 LOW VOC ASPHALT PRIMER, TAM-PRO® 813 ASPHALT PRIMER or an ASTM D41 primer.
- Install metal drip edge at the rakes and eaves and nail every 4".

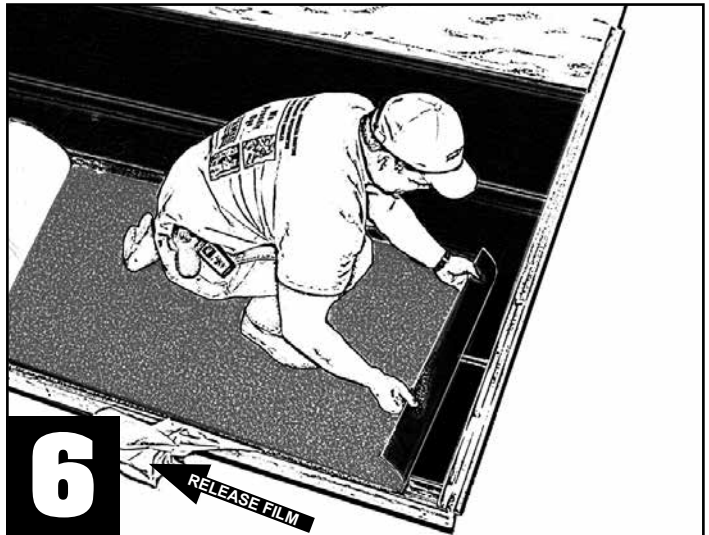


Roll out TAMKO SA CAP Sheet. Position it with the selvedge on the high side of the slope. Aligning it on the lower edge of the roof.

- **Both the TAMKO SA BASE Sheet and the TAMKO SA CAP Sheet must be installed in the same day.**



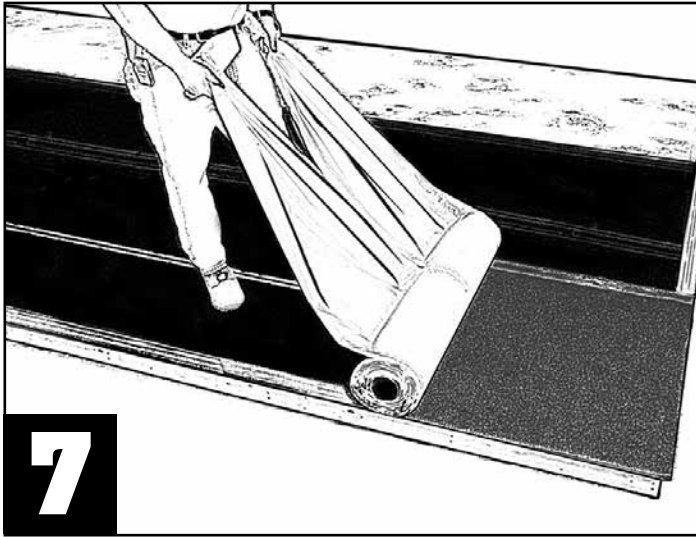
Pull the release film from the center to each edge on a 45° angle to expose the adhesive 1 to 2 feet.



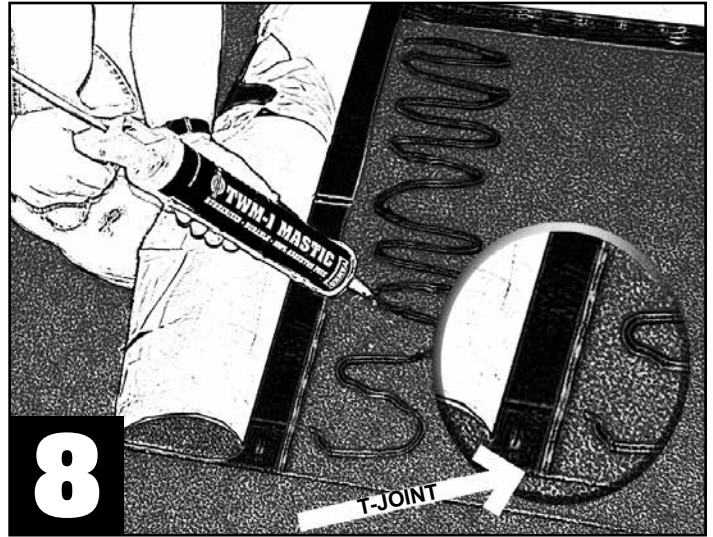
Press adhesive side into base sheet and roll with a hand roller to assure solid contact.

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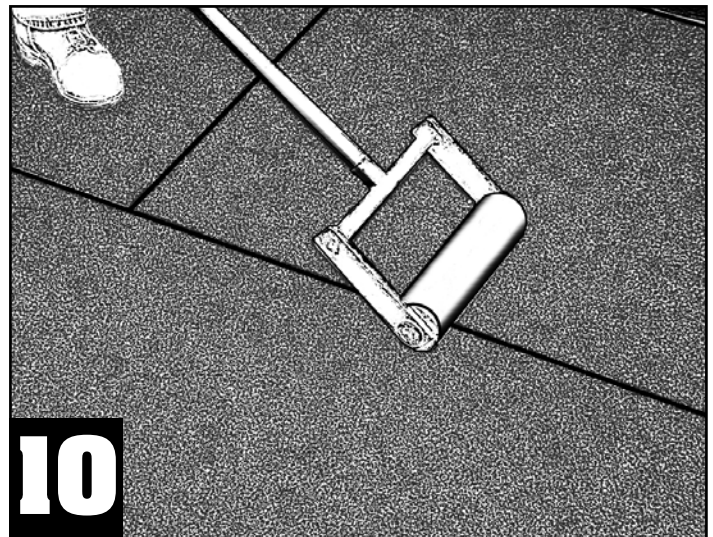
Roll up remaining TAMKO SA CAP until the edge of the release film is exposed. Begin pulling the release film up and off the roll. Once the entire sheet is in place, roll or walk the membrane to ensure solid contact with the base sheet.



End laps must be 6". Apply a 4-6" bead of TWM-1 MASTIC, as pictured above. Apply an additional bead of adhesive at the T-joint for added protection against moisture infiltration.



After removing the release liner be sure to remove zip strips from bottom sheet and from selvedge edge on previous course as you applying the end lap. Roll end lap to ensure a solid contact. As you continue up the roof, applying additional courses, all side laps must be 4" and end laps must be 6". To avoid lining up end laps on subsequent courses, TAMKO requires a minimum stagger of 18".

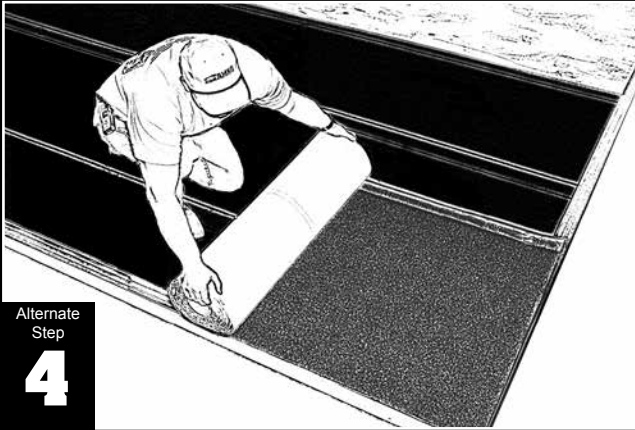


Roll the membrane with a roller to promote proper adhesion

# TAMKO SA CAP ALTERNATE APPLICATION

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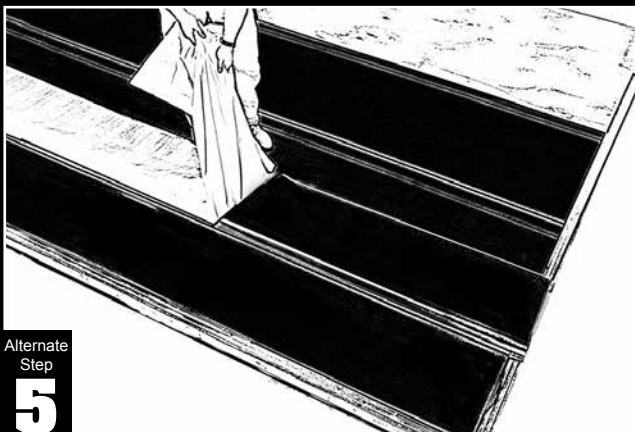
The instructions below are alternatives to steps #4 - 7.



Alternate  
Step

**4**

Roll out TAMKO SA CAP Sheet. Position it with the selvedge on the high side of the slope. Aligning it on the lower edge of the roof.



Alternate  
Step

**5**

The split release allows for application of only one half of the membrane at a time.



Alternate  
Step

**6**

Apply the top half of the sheet first by removing the release film. Then apply the bottom half of the roll. In subsequent rolls when applying the bottom half simultaneously remove the zip strip and the bottom half of the release film. Be sure to overlap sidelaps by 4".

**TAMKO**<sup>®</sup>  
BUILDING PRODUCTS

P.O. Box 1404 • Joplin, MO 64802-1404 • 1-800-641-4691 • tamko.com

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