

# SYNTHETIC GUARD™

## UNDERLAYMENT

BUILDING PRODUCTS BEGIN TO AGE AS SOON AS THEY ARE EXPOSED TO NATURE. BUILDINGS EXPERIENCE AGING FACTORS DIFFERENTLY, SO IT IS DIFFICULT TO PREDICT HOW LONG BUILDING PRODUCTS WILL LAST. TAMKO PROVIDES A LIMITED WARRANTY FOR MANY PRODUCTS, 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](http://TAMKO.COM) OR BY CALLING 1-800-641-4691.



**IMPORTANT SAFETY INFORMATION:** Do not install until all appropriate safety precautions have been read and understood. [The TAMKO Safety Data Sheet \(SDS\) is available at tamko.com/sds.](http://tamko.com/sds) Always use appropriate fall protection equipment and wear appropriate personal protective equipment (PPE) when working with this product. Moisture, frost or debris will decrease the traction and can cause slippery conditions when walking on the product. **Applicator safety is of utmost importance.**

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**THIS TAMKO® PRODUCT IS COVERED BY A LIMITED WARRANTY AND ARBITRATION AGREEMENT, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.**

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**IMPORTANT: THIS PRODUCT MAY BECOME SLIPPERY OR TEAR DURING ROOF APPLICATION. FALL PROTECTION METHODS MUST BE USED WHEN WORKING ON ROOFS. CHECK LOCAL BUILDING CODES TO DETERMINE SUITABILITY OF THIS PRODUCT FOR YOUR INTENDED USE.**

**IMPORTANT: THIS PRODUCT DOES NOT SERVE AS A SUBSTITUTE FOR FOLLOWING ALL PROPER FALL PROTECTION PROCEDURES IN ACCORDANCE WITH OSHA REGULATORY REQUIREMENTS—INCLUDING THE USE OF PERSONAL FALL PROTECTION DEVICES WHEN WORKING ON A ROOF. APPLICATOR SAFETY IS OF UTMOST IMPORTANCE.**

**THESE ARE THE APPLICATION INSTRUCTIONS FOR TAMKO® SYNTHETIC GUARD™ UNDERLAYMENT. TAMKO BUILDING PRODUCTS LLC SHALL NOT BE RESPONSIBLE FOR LEAKS OR OTHER ROOFING PROBLEMS RESULTING FROM FAILURE TO FOLLOW THESE INSTRUCTIONS. FOR QUESTIONS ABOUT TAMKO® SYNTHETIC GUARD™ OR ITS APPLICATION CONTACT THE TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.**

**FOR QUESTIONS ABOUT TAMKO® SYNTHETIC GUARD™ UNDERLAYMENT OR ITS APPLICATION, CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.**

**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.**

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## UNDERLAYMENT

### USES

TAMKO® Synthetic Guard™ underlayment is intended to perform the functions of an underlayment when installed between the roof deck and the shingles or other final roof covering. TAMKO® Synthetic Guard™ underlayment will not prevent wind driven rain from entering the building nor should it be used as the primary roof covering.

The final roof covering must be installed before the structure is exposed to adverse weather conditions, such as wind driven rain, high wind, hail, ice storms, etc. Failure to apply TAMKO® Synthetic Guard™ underlayment properly and according to TAMKO's Application Instructions could adversely affect coverage under the applicable Limited Warranty. **TAMKO® Synthetic Guard™ underlayment must not be exposed to UV rays for more than 45 days.**

### SAFETY PRECAUTION

Personal fall protection devices must always be used when applying TAMKO® Synthetic Guard™ underlayment. Moisture, frost or debris will decrease the traction while walking on TAMKO® Synthetic Guard™ underlayment. PLEASE EXERCISE CAUTION DURING INSTALLATION.

### VENTILATION

When using TAMKO® Synthetic Guard™ 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 must be designed in accordance with architectural design standards appropriate to the size, nature, and location of the structure and must include both ridge and soffit venting. For further information on providing adequate ventilation, contact your architect, building contractor, building materials supplier, or a qualified roofing consultant.

It is the responsibility of the installer to ensure installation is completed according to directions, and that all construction by-laws and codes are met.

### PREPARATION

Apply TAMKO® Synthetic Guard™ underlayment when the deck is dry. 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.

**Before walking on the underlayment surface, the TAMKO® Synthetic Guard™ underlayment must be securely fastened to the roof deck using corrosion-resistant nails as instructed in the FASTENING section. Do not use staples except as referenced in the FASTENING section.**

Moisture, frost or debris may decrease the traction while walking on TAMKO® Synthetic Guard™ underlayment.

### FOR ROOF DECKS

Apply TAMKO® Synthetic Guard™ underlayment from low to high in shingle fashion so that laps will shed water. Overlap edge seams 4" as marked on the underlayment. For all applications, end seams must be overlapped 6" and staggered. Fasteners should be placed in all marked locations but no farther than 12" from end laps in the field of the roof. The underlayment must be laid out flat with printed side up without wrinkles and fastened to a smooth dry surface. Care must be taken not to damage the surface of the underlayment. DO NOT stretch during installation.

### FASTENING

Fasteners must be corrosion resistant nails long enough to penetrate at least 3/4" into the roof deck. Fasteners must be flush and at a 90 degree angle to the roof deck.

**For underlayment installed and exposed more than 1 day and up to 45 days prior to installation of primary roofing, nails with round plastic caps must be used.** Follow the nail pattern as marked on the underlayment. See illustration for details. Fasteners on vertical and horizontal laps must not exceed 6" on center.

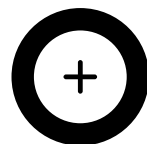
If the primary roofing is installed within 1 day of initial underlayment application, staples or nails without round plastic caps may be used. **If rain and/or high winds are expected before final roof covering is applied over the underlayment, nails with round plastic caps must be used.**

### FOR HIGH WIND AND FLORIDA APPLICATION REQUIREMENTS

Fasten the underlayment at all nail locations indicated by a cross. Fasteners spacing for vertical and horizontal laps must be spaced 6" on center.

### FOR LOW SLOPE APPLICATION

On pitches 2" per foot to 4" per foot, cover the deck with two layers of TAMKO® Synthetic Guard™ underlayment. Begin by applying the underlayment in a 22" wide strip along the eaves and overhanging the drip edge by 1/4" to 3/4". Place a full 42" wide sheet over the 22" wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 22". If winter temperatures average 25°F or less, TAMKO's Moisture Guard® self-adhering underlayment or any specialty eaves flashing product should be installed from eaves and rakes to a point to at least 24" inside the interior wall line of the building.



**FASTEN AT THESE LOCATIONS FOR ALL APPLICATIONS**



**FASTEN AT THESE ADDITIONAL LOCATIONS FOR HIGH-WIND AND FLORIDA APPLICATIONS**