

SYNTHETIC GUARD™ SYNTHETIC UNDERLAYMENT

APPLICATION INSTRUCTIONS

THESE ARE THE APPLICATION INSTRUCTIONS FOR TAMKO SYNTHETIC GUARD UNDERLAYMENT. TAMKO BUILDING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR LEAKS OR OTHER ROOFING PROBLEMS RESULTING FROM IMPROPER APPLICATION. FAILURE TO PROPERLY APPLY THIS PRODUCT ACCORDING TO THESE INSTRUCTIONS COULD RESULT IN UNSAFE CONDITIONS AND COULD ADVERSELY AFFECT COVERAGE OF THE LIMITED WARRANTY. CHECK LOCAL BUILDING CODES TO DETERMINE SUITABILITY OF THIS PRODUCT FOR YOUR INTENDED USE. TO OBTAIN A COPY OF TAMKO'S LIMITED WARRANTY, VISIT US ONLINE AT TAMKO.COM OR CALL US AT 800-641-4691.

UNDERLAYMENT 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 A PRODUCT WILL LAST. THAT'S WHY TAMKO PROVIDES A LIMITED WARRANTY ON SYNTHETIC GUARD 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.

IMPORTANT: THIS PRODUCT MAY BECOME SLIPPERY 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.**

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

SAFETY PRECAUTION

Personal fall protection devices, safety glasses and hearing protection should always be used when applying TAMKO SYNTHETIC GUARD UNDERLAYMENT. Moisture, frost or debris may decrease the traction while walking on TAMKO SYNTHETIC GUARD UNDERLAYMENT. PLEASE EXERCISE CAUTION DURING INSTALLATION.

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 180 days.

SURFACE 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 below. DO NOT USE STAPLES. Fall protection devices must be utilized.

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 in. as marked on the underlayment. For all applications, end seams must be overlapped 6 in. and staggered. Fasteners should be placed in all marked locations but no farther than 12 in. 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 in. 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 5 days and up to 180 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 in. on center.

When primary roofing is installed within 5 days of initial underlayment application, nails without round plastic caps may be used. **(DO NOT USE STAPLES). 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 Application and Florida requirements:

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



**FASTEN AT
THESE LOCATIONS
FOR ALL
APPLICATIONS**



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

For Low Slope Application: On pitches 2 in. per foot to 4 in. per foot, cover the deck with two layers of TAMKO SYNTHETIC GUARD UNDERLAYMENT. Begin by applying the underlayment in a 25 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 48 in. wide sheet over the 25 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 25 in. 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 in. inside the interior wall line of the building.

PROVIDE VENTILATION WHEN USING OVER THE ENTIRE ROOF DECK

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.

**For questions about
TAMKO SYNTHETIC GUARD UNDERLAYMENT
or its application, contact TAMKO's Technical
Services Department at 800-641-4691.**

These application instructions were current at the time of printing. To obtain a copy of the most current version of the application instructions, visit us online at tamko.com or call us at 800-641-4691.

This product is covered by a 10-year limited warranty. For information regarding or a copy of TAMKO's limited warranty, contact your local TAMKO representative, visit us online at tamko.com, or call us at 800-641-4691.

SYNTHETIC GUARD™

SYNTHETIC UNDERLAYMENT

PRODUCT DATA



IMPORTANT SAFETY INFORMATION: Use personal fall protection devices when working on a roof. Personal fall protection devices, safety glasses and hearing protection must always be used when applying Synthetic Guard underlayment. Moisture, frost or debris will decrease the traction when walking on Synthetic Guard underlayment. **Applicator safety is of utmost importance.**

SYNTHETIC GUARD underlayment is a non-woven synthetic underlayment with a black coated polypropylene spun bond fabric surface, a polypropylene 5 × 5 scrim, and a black backside coating.

USES: For use as a synthetic underlayment to be applied over the deck prior to installation of the final roof covering. It also is intended as a secondary layer for shedding water after installation of the roof system. Synthetic Guard can be used for wood shake, asphalt or composite shingles.

- Non-woven surface.
- Polypropylene 5 × 5 Scrim.
- Lay lines and cap-nail locations printed on the underlayment. Also includes additional high wind and Florida cap-nail locations.
- 10-Year Limited Warranty (see complete TAMKO Synthetic Underlayment Limited Warranty at tamko.com for details).

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CERTIFICATIONS

Intertek Code Compliance Research Report (CCRR-1056)
Florida Building Code Approved FL-19948



LIMITATIONS

- Underlayment must not be applied to wet or frosty surfaces.
- Underlayment must not be applied to unclean or contaminated surfaces.
- Underlayment must not come into contact with hot asphalt or products containing coal-tar pitch.
- Once applied, underlayment must not be left exposed beyond 180 days.

PRODUCT DATA†

9.20 Square Roll	
Roll Dimensions	48.1" × 250.5'
Roll Coverage††	920.59 sq. ft. (± 3.92 sq. ft.)
Roll Contains	1004.09 sq. ft. (± 4.09 sq. ft.)
Rolls Per Pallet	63
Pallet Size	40" × 48"

† All values stated as nominal. †† When applied according to instructions.

Information included in this product data sheet was current at time of printing. To obtain a copy of the most current version of this product data sheet, visit us online at tamko.com or call us at 800-641-4691.

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