



THE EVOLUTION OF UNDERLAYMENT PROTECTION



TAM-SHIELD® SYNTHETIC UNDERLAYMENT ENHANCED UNDERLAYMENT PERFORMANCE

Tam-Shield® Synthetic Underlayment provides an innovative option for underlayment protection. It offers several compelling advantages over traditional felt products, including lighter weight, greater coverage, better tear resistance, and a cooler working surface on the roof. Discover the difference Tam-Shield Synthetic Underlayment can make on your next application.

TAM-SHIELD® SYNTHETIC UNDERLAYMENT

IMPORTANT

This product features a skid resistant and tear resistant surface. This feature 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.**

USES

Tam-Shield® Synthetic Underlayment is well-suited for use as an underlayment felt to be applied over the deck prior to the installation of the final roof covering. It also provides secondary protection for shedding water after the installation of the roof system.

SAFETY PRECAUTION

Personal fall protection devices, safety glasses and hearing protection must always be used when applying Tam-Shield Synthetic Underlayment. Moisture, frost or debris will decrease the traction when walking on Tam-Shield Synthetic Underlayment.

FEATURES AND BENEFITS

- Light grey surface provides cooler working surface than traditional felt
- Tam-Shield Synthetic Underlayment is not adversely affected by UV rays for up to 180 days
- Skid resistant and tear resistant
- Lightweight product with more coverage per roll than traditional felt underlayments; 10 squares per roll weighing only 28 lbs
- Lay lines and cap-nail locations printed on the underlayment for ease of installation; also includes additional high wind cap nail locations
- 25-year Limited Warranty*

LIMITATIONS

- Membrane must not be applied to damp, frosty or contaminated surfaces
- Membrane installation must be limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch

CERTIFICATIONS

- UL Prepared Roofing Accessory
- ICC-ES ESR-3237
- Florida Building Code FL 14864
- Miami Dade County Florida Approved

GENERAL APPLICATION

Apply underlayment from low to high in shingle fashion so that laps will shed water. Overlap edge seams 3" as marked on the underlayment. End seams must be overlapped 6" and staggered. 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. Do not use nails or staples without round plastic caps. Fasteners must be long enough to penetrate at least 3/4" into the roof deck, using only corrosion-resistant nails or staples with 1" round plastic caps. Fasteners must be flush and at an approximately 90° angle to the roof deck. Follow the nail pattern as marked on the underlayment. Fasteners on vertical or horizontal laps must be spaced 8" on center.

HIGH WIND APPLICATION REQUIREMENTS

For High Wind Application, fasten the underlayment at the additional cap-nail locations that are marked as dotted circles on the underlayment. Fasteners on vertical or horizontal laps must be spaced 4" on center.

LOW SLOPE APPLICATION

On pitches 2" to 4" per foot, cover the deck with two layers of Tam-Shield Synthetic Underlayment. Begin by applying the underlayment in a 24"-wide strip along the eaves and overhanging the drip edge by 1/4" to 3/4". Place a full 48"-wide sheet over the 24"-wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 24". If winter temperatures average 25°F or less, TAMKO® Moisture Guard Plus® self-adhering underlayment or other specialty eaves flashing product should be installed from eaves and rakes to a point at least 24" inside the interior wall line of the building.

VALLEY AND RIDGE APPLICATION

Center Tam-Shield Synthetic Underlayment in the valley or over the ridge, working from the center of the valley or ridge outward in each direction. For valleys, apply the underlayment starting at the lowest point and work upward. Overlap all sheets in shingle fashion a minimum of 6".



PRODUCT DATA**	3001770	31001771
Roll size†	10 square (1,000 sq. ft.)	5 square (500 sq. ft.)
Roll Coverage‡	937.50 sq. ft. (87.10 sq. m.)	468.75 sq. ft. (43.55 sq. m.)
Roll Dimensions	48" x 250'	48" x 125'
Thickness	10 mil	10 mil
Rolls per 40" x 48" Pallet	30	48



BUILDING PRODUCTS FOR THE PROFESSIONAL

TAMKO and Tam-Shield are registered trademarks of TAMKO Building Products, Inc.
Note: TAMKO products must be applied in accordance with the directions listed on the product wrapper. Information included in this brochure was current at the time of printing. To obtain a copy of the most current version of this brochure, visit us online at tamko.com or call us at 1-800-641-4691.

* To obtain a copy of the Limited Warranty, visit us online at tamko.com or call us at 1-800-641-4691.
** All values stated as nominal.

† The coverage before overlaps as required by the instructions.

‡ When applied according to instructions (excluding side lap).

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TAMKO
BUILDING PRODUCTS



MOISTURE GUARD PLUS[®]

SELF-ADHERING UNDERLAYMENT

TAMKO[®] Moisture Guard Plus[®] underlayment provides an extra layer of roofing protection to help prevent water penetration caused by windblown rain or ice damming. This self-adhering SBS-modified bitumen sheet creates a moisture barrier by sealing to the deck and around nails to provide years of continuous protection.

MOISTURE GUARD PLUS®

SELF-ADHERING UNDERLAYMENT

IMPORTANT

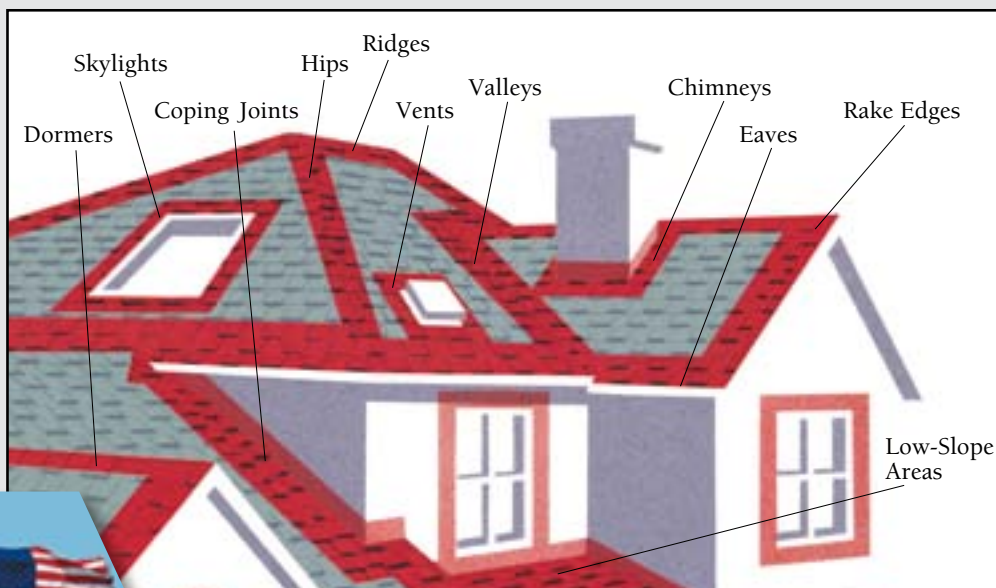
This product features a skid resistant and tear resistant surface. This feature does not serve as a substitute for following all proper fall protection procedures in accordance with OSHA regulatory requirements—including the use of personal fall protection devices when working on a roof. **Applicator safety is of utmost importance.**

FEATURES AND BENEFITS

- Mineral surfacing—provides enhanced skid resistance.
- Strong fiberglass reinforcement—adds stability during installation.
- Flexible SBS-modified asphalt—seals tightly around nails to prevent water penetration.
- Split plastic release film—eases installation and handling.
- Self-adheres directly to plywood decks—for fast and simple installation.
- High temperature resistance up to 250°F.
- Can be left exposed for up to 90 days before application of finished roof.
- Meets ASTM D 1970, ICC-ESR-1252, U.L. Prepared Roofing Accessory.
- Available in full wrapper (nonboxed).

PRODUCT DATA*

	1 Square	1.5 Squares	2 Squares
Thickness	55 mil	55 mil	55 mil
Roll size	100 sq. ft.	150 sq. ft.	200 sq. ft.
Roll dimensions	39⅞" x 30' 5¾"	39⅞" x 45' 8½"	39⅞" x 60' 11½"
Rolls per pallet	40	30	25
Pallet size	37" x 47"	37" x 47"	37" x 47"
Packaging	Full Wrapper (nonboxed)	Full Wrapper (nonboxed)	Full Wrapper (nonboxed)



Nail holes and joints in your roof deck provide the channels for water to seep through.



Wind-blown rain trapped under your roof's top layer seeks out those channels.



Backed up at the eaves by ice dams, melting snow finds access the same way.



Applying a layer of Moisture Guard Plus to the deck at all rake and eave edges a minimum of 24" beyond the interior wall line will provide a last line of defense against leaks, to help prevent backed-up water from getting into the home.

BUILDING PRODUCTS FOR THE PROFESSIONAL.

Not recommended for use under metal roofing.
Use TAMKO® TW Metal and Tile Underlayment or TW Underlayment under metal roofing applications.



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*All values stated as nominal.

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