

# TW METAL AND TILE

## SELF-ADHERING ROOFING UNDERLAYMENT

MANUFACTURED IN JOPLIN, MO

## PRODUCT DATA

### DESCRIPTION

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](http://tamko.com) or call us at 800-641-4691.

**TW METAL AND TILE UNDERLAYMENT** is a fiberglass reinforced, self-adhering SBS modified asphalt sheet membrane with a polymer surface film and a treated release film on the adhesive side. Provides secondary protection against water penetration after installation of the roof system.

- Fiberglass mat construction
- Self-adhering SBS modified asphalt
- Adheres to cast-in-place concrete, pre-cast concrete masonry block, exterior gypsum sheathing, plywood, OSB, DensGlass, felt-faced and foil-faced polyisocyanurate foam insulation or, metal surfaces
- Polymeric surface film
- Split treated release film
- 5-year Limited Warranty and Arbitration Agreement\*\*

**USES:** For use as an underlayment under metal roofs\*, mechanically fastened tile, slate, wood shakes, asphalt and composite shingles.

**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 OR BY CALLING 1-800-641-4691.**

\* 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.

\*\* See complete TAMKO Asphalt Underlayments Limited Warranty and Arbitration Agreement on [tamko.com](http://tamko.com) for details.

### LIMITATIONS

**VENTILATION: TW UNDERLAYMENT SHOULD NOT BE APPLIED ON ROOF DECKS OVER UNVENTILATED SPACES OR WHERE SPRAY FOAM INSULATION HAS BEEN APPLIED DIRECTLY TO THE UNDERSIDE OF THE ROOF DECK; DOING SO MAY RESULT IN PREMATURE DEGRADATION OR PRODUCT FAILURE. A VAPOR RETARDING LAYER MAY RESULT WHEN TW UNDERLAYMENT IS INSTALLED OVER AN ENTIRE ROOF DECK. DESIGN OF THE ENTIRE ROOF SYSTEM AND THE AREA IMMEDIATELY BENEATH THE ROOF DECK (E.G. ATTIC, PLENUM, CONDITIONED SPACE) TO PROPERLY ADDRESS POTENTIAL MOISTURE AND HEAT ACCUMULATION IS THE RESPONSIBILITY OF A DESIGN PROFESSIONAL (E.G. ARCHITECT, ENGINEER) AND THE BUILDING OWNER.**

- Membrane or primer must not be applied to damp, frosty, or contaminated surfaces.
- Membrane must not come into contact with products containing coal-tar pitch.
- Must be applied at temperatures of 40°F and higher.
- Can be left exposed for up to 120 days before application of finished roof.

**WARNING:** Use of this product in an assembly that includes polyurethane foam insulation (including without limitation an application directly to the underside of a roof deck or within a wall assembly) may cause premature degradation or failure of this product. We continue to evaluate compatibility of polyurethane foams with our asphalt building products. Chemical incompatibility, off-gassing after application and excess heat during and after application of polyurethane foams may affect the performance of asphalt and modified asphalt building products and metal fasteners used with those products.



**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, debris or other material will decrease the traction and can cause slippery conditions when walking on the product. **Applicator safety is of utmost importance.**

**WARNING:** This product contains crystalline silica. Crystalline silica have been classified as "known human carcinogen" by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. This product contains asphalt. The National Institute for Occupational Safety and Health has concluded that the fumes of heated roofing asphalt are a potential occupational 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.

**TAMKO**®

**BUILDING PRODUCTS LLC**

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## PRODUCT DATA

### TECHNICAL INFORMATION

UL Prepared Roofing Accessory

UL Classified in accordance with: ASTM D1970

### PRODUCT DATA

Roll Size <sup>†</sup>	200 sq. ft.
Roll Coverage <sup>††</sup>	179.82 sq. ft.
Roll Dimensions <sup>†</sup>	39 3/8" x 61'
Rolls per Pallet	25 rolls

<sup>†</sup>Subject to manufacturing variation

<sup>††</sup>When applied according to application instructions

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
Adhesion to Plywood at 75°F	ASTM D1970	≥ 12 lbf/ft. width
Moisture Vapor Permeability	ASTM E96 (BW)	≤ 0.1 perms
Maximum Load	ASTM D1970	≥ 25 lbf/in.
Elongation Modified Bitumen Portion	ASTM D1970	≥ 10%
Low Temperature Flexibility	ASTM D1970	-20°F
Thickness	ASTM D1970	≥ 40 mils



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