

TAMKO® TW FLASH-N-WRAP®-40

Self Adhering Reflective Sheet Membrane

PRODUCT DATA

DESCRIPTION

TAMKO® TW FLASH-N-WRAP®-40 is a flexible self-adhering rubberized asphalt sheet membrane with a reflective aluminum surface and a removable treated release film on the adhesive side.

USES

TAMKO TW FLASH-N-WRAP-40 is well suited for application in cavity-wall construction, as a moisture and air barrier membrane.

ADVANTAGES

- Flexible SBS modified asphalt and aluminum surfacing provides excellent protection from moisture or air penetration.
- Treated release film for easier installation and handling.
- High temperature resistance up to 245°F.
- Adheres to cast-in-place concrete, pre-cast concrete, concrete masonry block, exterior gypsum sheathing, plywood, OSB, DensGlass®, DensGlass Gold®, felt-faced and foil-faced polyisocyanurate foam insulation, wood, or metal surfaces.
- Available in factory pre-cut widths of 4", 6", 9", 12", 18", and 36".
- Tough aluminum surface resists UV degradation up to 180 days. Reflective surface for UV resistance.
- ICC-ES ESR-1984

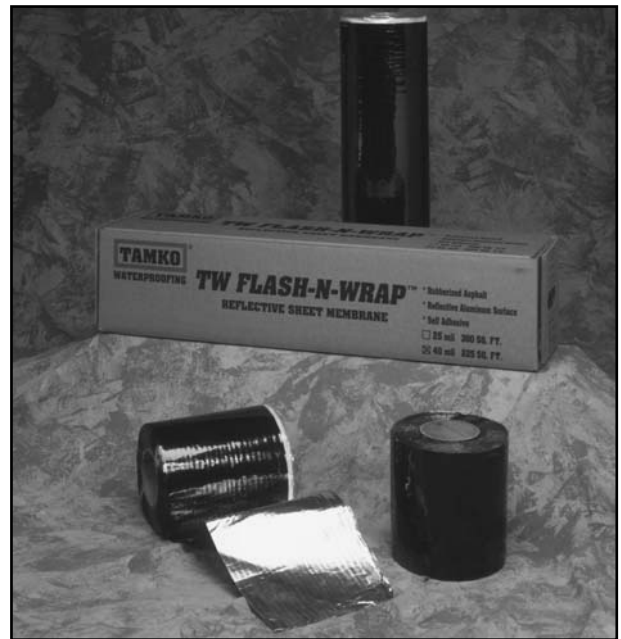
LIMITATIONS

- Membrane or primer should not be applied to damp, frosty or contaminated surfaces..
- Tough aluminum surface resists UV degradation up to 180 days, however TAMKO recommends covering this material as soon as possible for ultimate product performance as severe weather to exposed product may affect performance.
- Membrane should not come into contact with products containing coal-tar pitch.
- Membrane should be applied when air, substrate, and membrane temperatures are above 40°F.
- Not designed for use in ponding areas.

PRODUCT DATA*

Surfacing	Aluminum
Asphalt Modifier	SBS
Roll Size (225 sq. ft.)	36" x 75'
Product Thickness	40 mil
Rolls Per Pallet	30

*All values stated as nominal at time of manufacture.



TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Elongation at Modified Failure**	ASTM D 412	300%
Tensile Strength	ASTM D 882	9 lbf
Elongation at Maximum Tensile	ASTM D 882	6%
Low Temperature Flexibility	ASTM D 1970 (modified) ¹	-15°F
Peel Strength	ASTM D 903	9.0 lbf/in. width
Lap Adhesion	ASTM D 1876	7 lbf/in. width
Puncture Resistance	ASTM E 154	40 lbf
Accelerated Weathering	ASTM D 4798, Cycle A	100 Cycles, Pass
Permeance	ASTM E 96 (BW)	0.05 perms (max)

**% of elongation to ultimate failure of rubberized asphalt.

¹ Testing done using procedures in ASTM D 1970 with adhesive side away from the mandrel.

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Self Adhering Reflective Sheet Membrane

APPLICATION INSTRUCTIONS

PREPARATION

All surfaces must be dry and clean. Dirt, dust and any other foreign matter must be removed. TW FLASH-N-WRAP-40 should be applied when air, substrate, and membrane temperatures are above 40 degrees F.

Acceptable surfaces include cast-in-place concrete, pre-cast concrete, concrete masonry blocks, exterior gypsum sheathing, plywood, OSB, DensGlass®, DensGlass Gold®, felt-faced and foil-faced polyisocyanurate foam insulation, wood or metal surfaces. Concrete must be allowed to cure for a minimum of 7 days prior to application of TW FLASH-N-WRAP-40.

PRIMING

Priming is generally not required for wood and exterior gypsum sheathing, or felt-faced and foil-faced polyisocyanurate, provided they are smooth, clean, and dry. In any case where adhesion is found to be marginal and in all cases for concrete, masonry, OSB, DensGlass, and DensGlass Gold, prime with TWP-1*** or TWP-2 at designated coverage rates.

For DensGlass and DensGlass Gold the following priming instructions must be followed.

Priming Instructions for applications over DensGlass and DensGlass Gold: With a roller, apply TWP-1 Quick Dry Primer to the DensGlass Gold at the rate of one gallon per 250-300 square feet. Allow the primer to dry a maximum of 5 to 10 minutes, based on temperature. Higher temperatures will require shorter dry time. It is critical that you not allow the primer to dry longer than 10 minutes before the application of the membrane. With this substrate, it is not possible to do long stretches of priming before application.

APPLICATION

Unroll TW FLASH-N-WRAP-40 and cut to the desired length. Begin by removing approximately 12 inches of the release film and center the membrane over the area to be covered. Firmly press or roll the membrane against the substrate and continue pulling the release film off while smoothing the membrane into place.

For DensGlass and DensGlass Gold sheathing and OSB, all air and vapor barrier applications are to be done vertically with membrane no longer than 6 feet. Material must be broomed in using a stiff, hand-held broom. In all DensGlass, DensGlass Gold, and OSB applications staples are to be applied 18" on center to the individual pieces of membrane around the entire perimeter of the piece.

FULL COVERAGE ENVELOPE APPLICATIONS

In full coverage envelope applications TW FLASH-N-WRAP-40 should be tightly sealed into roofing and below-grade waterproofing systems and structural perimeter flashings to retain the integrity of the air barrier throughout the entire structure. Note that in full structure envelope applications, the dew point must be engineered to the outside of the building.

Side laps should be a minimum of 2 inches and end laps should be 4 inches. All terminations should be sealed with TWM-1 Mastic.

***** WARNINGS AND HAZARDS**

TWP-1 contains combustible solvents. Avoid exposure to sparks, open flame, heat, and other forms of ignition. Use in well ventilated areas. Avoid breathing vapors. Refer to MSDS for detailed product information and warnings.

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not burn this product.

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This product is covered by a 5-year limited warranty. For information regarding or a copy of TAMKO's limited warranty, contact your local TAMKO representative, visit us online at www.tamko.com, or call us at 800-641-4691.

