

25.10 AWAPLAN 170  
(COLD APPLIED W/ 856  
SBS ADHESIVE)

**Material Requirements**

TAMKO GLASS-BASE<sup>®</sup>, TAM-GLASS PREMIUM<sup>®</sup>, TAM-PLY IV<sup>®</sup>, or BASE-N-PLY<sup>®</sup>

Fiberglass Sheet **1 ply**

TAMKO AWAPLAN 170  
(Granule Surfaced) **1 ply**

TAM-PRO<sup>®</sup> 856  
Premium SBS Adhesive (Per 100 sq. ft.) **1-1/2 gal**

Fasteners as required for Base Sheet and Insulation

**Slope:** Positive drainage up to 3 in. per linear ft. For slopes above 3/4 in. per linear ft., fastening of the AWAPLAN 170 is required.

**Deck:** The deck must conform to TAMKO general requirements and Metal Deck Requirements.

**Insulation:** The insulation should be installed according to the manufacturer's specification in the thickness required. The insulation should conform to TAMKO requirements. Polyisocyanurate or EPS insulation must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

**Adhesive:** The cold process adhesive must be TAM-PRO 856 Premium SBS Adhesive.

**Base Ply:** Starting at the low point of the roof, install 1 ply of TAMKO GLASS-BASE, TAM-GLASS PREMIUM, TAM-PLY IV or BASE-N-PLY, beginning with a 1/2 m width, then a full 1 m width, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. Mechanically fasten through the base ply and insulation, penetrating through the deck with appropriate fasteners as recommended by the insulation manufacturer. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

Alternately, the TAMKO GLASS-BASE, TAM-GLASS PREMIUM, or TAM-PLY IV may be solidly mopped to the insulation with approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft.

**AWAPLAN 170:** Starting at the low point of the roof, install 1 ply of TAMKO AWAPLAN 170 granule surfaced sheet, side lapped 4 in. and end lapped 6 in. The field of the AWAPLAN 170 membrane should be solidly adhered to the base sheet with an application of TAM-PRO 856 Premium SBS Adhesive at a rate not to exceed 1-1/2 gallons per square, and the side laps and the end laps set in adhesive or heat welded together. Use care when applying heat as damage can occur to the product by overheating.

**Caution should be used when exposing cold adhesive to an open flame.**

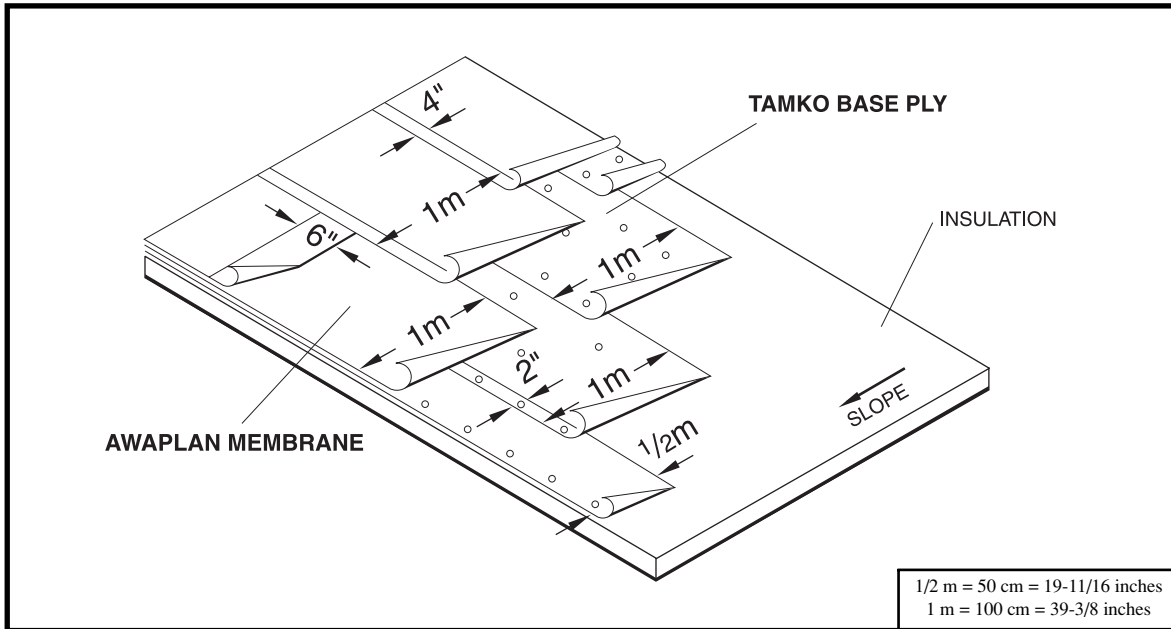
**Flashing:** The flashing material must be a TAMKO polyester reinforced modified asphalt flashing material.

**U.L. Requirements:**  
Contact TAMKO for information on U.L. systems requirements.

**CAUTION:** The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Apply heat to these products only when required for proper application and only in a well ventilated area. Avoid breathing the fumes, and avoid skin contact. Do not burn these products.

For complete information on TAMKO's recommendations and requirements, consult TAMKO's web site at [www.tamko.com](http://www.tamko.com)  
TAMKO Building Products, Inc., P. O. Box 1404, Joplin, MO 64802 • 1-800-641-4691 • [www.tamko.com](http://www.tamko.com)

TAMKO<sup>®</sup>, Tam-Pro<sup>®</sup>, TAMKO Glass-Base<sup>®</sup>, Tam-Glass Premium<sup>®</sup>, Tam-Ply IV<sup>®</sup>, and Base-N-Ply<sup>®</sup> are registered trademarks of TAMKO Building Products, Inc.



#### Material Requirements

<b>TAMKO VERSA-BASE® Modified Asphalt Base Sheet</b>	<b>1 ply</b>
<b>TAMKO AWAPLAN 170 (Granule Surfaced)</b>	<b>1 ply</b>
<b>TAM-PRO® 856 Premium SBS Adhesive (Per 100 sq. ft.)</b>	<b>1-1/2 gal</b>
<b>Fasteners as required for Base Sheet and Insulation</b>	

**Slope:** Positive drainage up to 3 in. per linear ft. For slopes above 3/4 in. per linear ft., fastening of the AWAPLAN 170 is required.

**Deck:** The deck must conform to TAMKO general requirements and Metal Deck Requirements.

**Insulation:** The insulation should be installed according to the manufacturer's specification in the thickness required. The insulation should conform to TAMKO requirements. Polyisocyanurate or phenolic insulation must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

**Adhesive:** The cold process adhesive must be TAM-PRO 856 Premium SBS Adhesive.

**VERSA-BASE Sheet:** Starting at the low point of the roof, install 1 ply of TAMKO VERSA-BASE, beginning with a 1/2 m width, then a full 1 m width, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. Mechanically fasten through the base ply and insulation, penetrating through the deck with appropriate fasteners as recommended by the insulation manufacturer. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

Alternately, the VERSA-BASE may be solidly mopped to the insulation with approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft.

**AWAPLAN 170:** Starting at the low point of the roof, install 1 ply of TAMKO AWAPLAN 170 granule surfaced sheet, side lapped 4 in. and end lapped 6 in. The field of the AWAPLAN 170 membrane should be solidly adhered to the base sheet with an application of TAM-PRO 856 Premium SBS Adhesive at a rate not to exceed 1-1/2 gallons per square, and the side laps and the end laps set in adhesive or heat welded together. **Use care when applying heat as damage can occur to the product by overheating.**

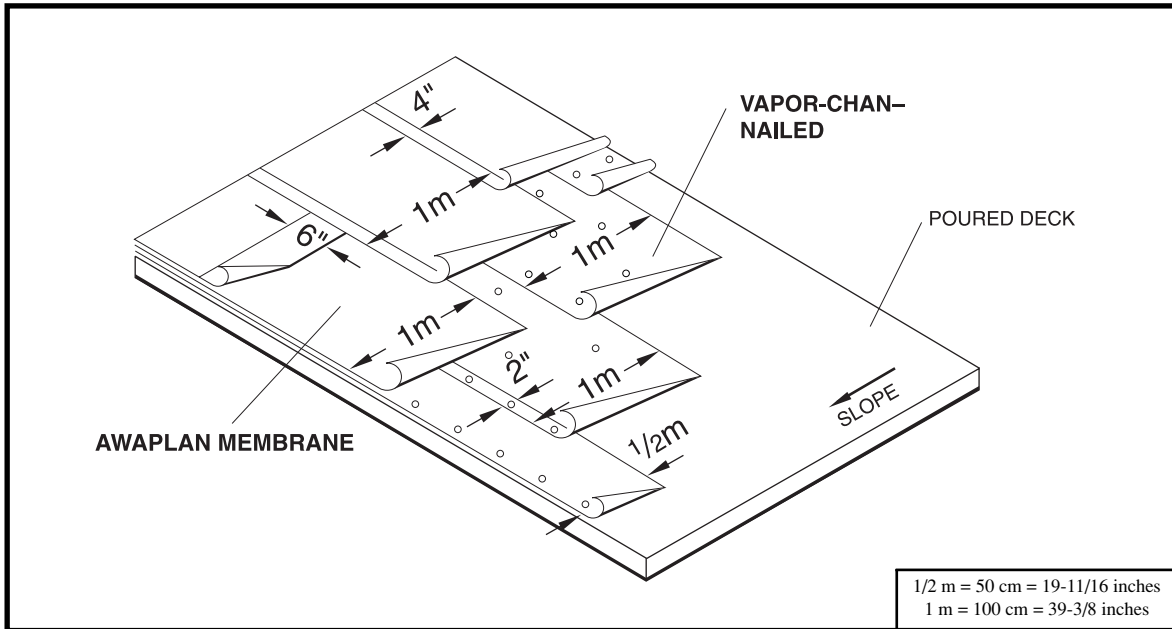
**Caution should be used when exposing cold adhesive to an open flame.**

**Flashing:** The flashing material **must** be a TAMKO polyester reinforced modified asphalt flashing material.

**U.L. Requirements:**  
Contact TAMKO for information on U.L. systems requirements.

**CAUTION:** The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Apply heat to these products only when required for proper application and only in a well ventilated area. Avoid breathing the fumes, and avoid skin contact. Do not burn these products.

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1/2 m = 50 cm = 19-11/16 inches  
1 m = 100 cm = 39-3/8 inches

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**Material Requirements**

TAMKO VAPOR-CHAN <sup>®</sup> Fiberglass Venting Asphalt Base Sheet	1 ply
TAMKO AWAPLAN 170 (Granule Surfaced)	1 ply
TAM-PRO <sup>®</sup> 856 Premium SBS Adhesive (Per 100 sq. ft.)	1-1/2 gal
Clinch-type nails for base sheet (per 100 sq. ft.)	Approx. 100 nails

**Slope:** Positive drainage up to 3 in. per linear ft. **For slopes above 3/4 in. per linear ft.,** fastening of the AWAPLAN 170 is required.

**Deck:** The deck should conform to TAMKO general requirements.

**Adhesive:** The cold process adhesive must be TAM-PRO 856 Premium SBS Adhesive.

**VAPOR-CHAN:** Starting at the low point of the roof, install 1 ply of TAMKO VAPOR-CHAN, beginning with a 1/2 m width, then a full 1 m width, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. Nail the sheets along the lap at intervals of no more than 8 in. Stagger-nail down the center of the sheet on 16 in. centers along 2 lines located 13 in. from each edge of the base sheet. **For specific fastening patterns for wind uplift listings, contact the Technical Services Department.**

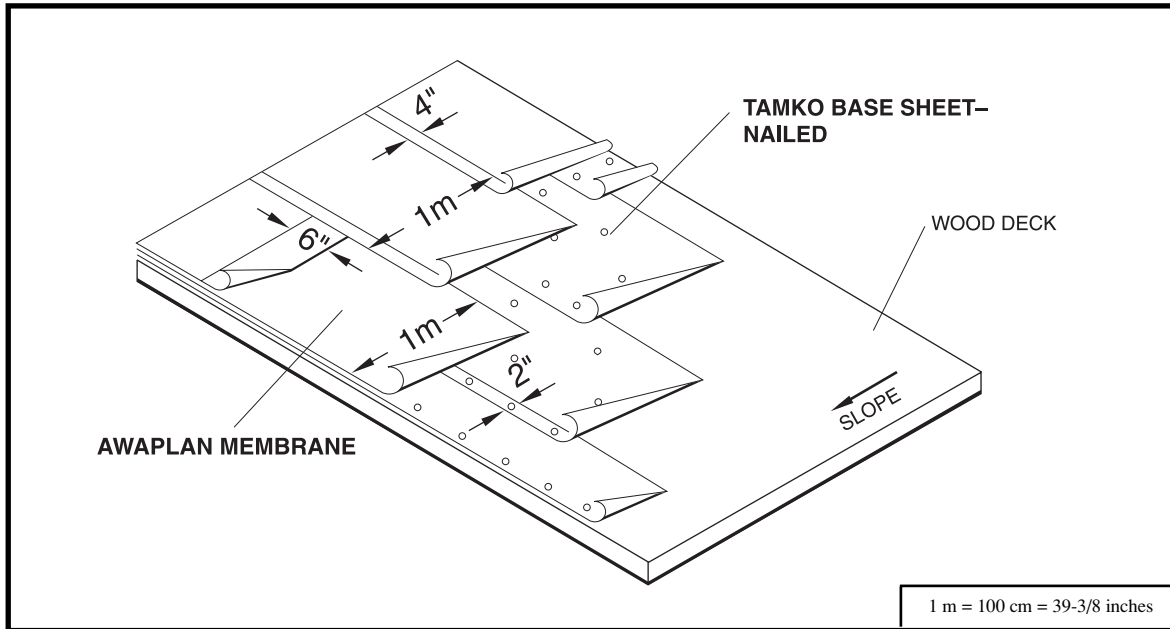
**AWAPLAN 170:** Starting at the low point of the roof, install 1 layer of TAMKO AWAPLAN 170 granule surfaced sheet, side lapped 4 in. and end lapped 6 in. The field of the AWAPLAN 170 membrane should be solidly ad-hered to the base sheet with an application of TAM-PRO 856 Premium SBS Adhesive at a rate not to exceed 1-1/2 gallons per square, and the side laps and the end laps set in adhesive or heat welded together. **Use care when applying heat as damage can occur to the product by overheating.**

**Caution should be used when exposing cold adhesive to an open flame.**

**Flashing:** The flashing material **must** be a TAMKO polyester reinforced modified asphalt flashing material.

**U.L. Requirements:** Contact TAMKO for information on U.L. systems requirements.

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**Material Requirements**

TAMKO TYPE 43 Coated Base Sheet, or BASE-N-PLY <sup>®</sup> Base Sheet	1 ply
TAMKO AWAPLAN 170 (Granule Surfaced)	1 ply
TAM-PRO <sup>®</sup> 856 Premium SBS Adhesive (Per 100 sq. ft.)	1-1/2 gal
Clinch-type nails for base sheet (per 100 sq. ft.)	Approx. 100 nails

**Slope:** Positive drainage up to 3 in. per linear ft. For slopes above 3/4 in. per linear ft., fastening of the AWAPLAN 170 is required.

**Deck:** The deck should conform to TAMKO general requirements.

**Adhesive:** The cold process adhesive must be TAM-PRO 856 Premium SBS Adhesive.

**Base Ply:** Starting at the low point of the roof, install 1 ply of TAMKO TYPE 43 Coated Base Sheet, GLASS-BASE, or BASE-N-PLY, beginning with a 1/2 width, then a full width, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. Nail GLASS-BASE or BASE-N-PLY sheets along the lap at intervals of no more than 8 in. Stagger-nail on 16 in. centers along 2 lines located 13 in. from each edge of the base sheet. Nail TYPE 43 Coated Base Sheet along the lap at intervals of no more than 9 in. Stagger-nail on 18 in. centers along 2 lines located 12 in. from each edge of the base sheet. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

**AWAPLAN 170:** Starting at the low point of the roof, install 1 layer of TAMKO AWAPLAN 170 granule surfaced sheet, side lapped 4 in. and end lapped 6 in. The field of the AWAPLAN 170 membrane should be solidly ad-hered to the base sheet with an application of TAM-PRO 856 Premium SBS Adhesive at a rate not to exceed 1-1/2 gallons per square, and the side laps and the end laps set in adhesive or heat welded together. Use care when applying heat as damage can occur to the product by overheating.

**Caution** should be used when exposing cold adhesive to an open flame.

**Flashing:** The flashing material must be a TAMKO polyester reinforced modified asphalt flashing material.

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