

Material Requirements

TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Flood Coat Asphalt (Per 100 sq. ft.)	Approx. 60 lbs.
Gravel (Per 100 sq. ft.)	Approx. 400 lbs.

Slope: Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II*** for slopes up to 1/2 in. and **Type III** for slopes up to 3 in.

Fiberglass Ply Sheets: Over the insulation, install **3 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

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Surfacing: Apply a flood coat of 60 lbs. (±15%) of specification asphalt per 100 sq. ft. over the entire surface. While hot, embed approximately 400 lbs. of clean roofing gravel or 300 lbs. of slag per 100 sq. ft. of completed roof area.

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: A product(s) in this specification contains formaldehyde. Formaldehyde has been classified as a "known" human carcinogen by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. A product(s) in this specification also contains oxidized asphalt. Occupational exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a "probable human carcinogen". Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of the product(s) in this specification 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 the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

Application of product(s) in this specification using "hot mopped" applications may expose workers and others in the work area to oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a "probable human carcinogen." During installation and removal of the product(s) in this specification, including "hot mopped" application, workers must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts,



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(Regions 1, 2, & 3)

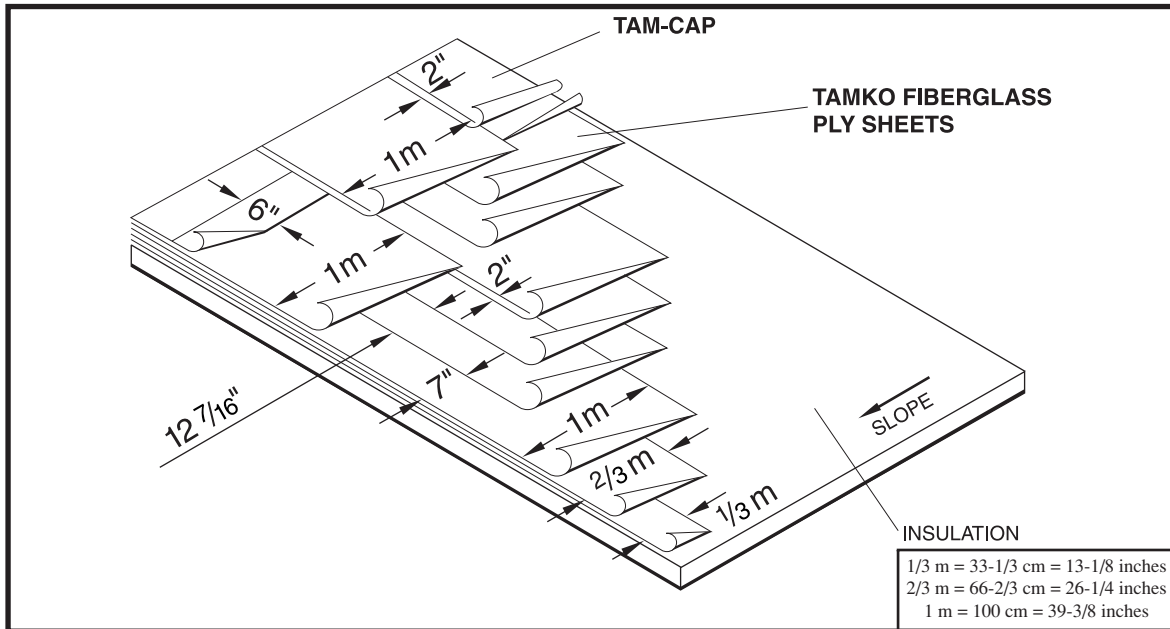
INSULATED DECKS

fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

***Except in FL, TX, NM, AZ, CA**

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Material Requirements

TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
TAMKO TAM-CAP® Fiberglass Mineral Surfaced Cap Sheet	1 ply
Interply Asphalt (Per 100 sq. ft.)	Approx. 92 lbs.

Slope: Positive drainage up to 3 in. per linear ft. For slopes above 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II*** for slopes up to 1/2 in. and **Type III** for slopes up to 3 in.

Fiberglass Ply Sheets: Over the insulation, install **3 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

TAM-CAP: Starting from the low point of the roof, apply 1 ply of TAM-CAP or VERSA-CAP FR, side lapping each sheet 2 in. and end lapping 6 in. over the preceding sheets. Fully mop each sheet with specification asphalt at the rate of 23 lbs. (±15%) per 100 sq. ft. On slopes of 1 in. per foot or greater, nail adjacent to top edge on 12 in. centers. Nail the laps on 3 in. centers and mop the full width with specification asphalt. **NOTE: Before application of TAM-CAP, cut it into 12 ft. to 18 ft. lengths and allow it to flatten and relax. Stagger the end laps.**

Alternately, installation by the "fly-in" or "mop and flop" method requires the installer to use a maximum of 12 ft. sections and to mop the 2 in. selvage and the back of the TAM-CAP that will cover the selvage.

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: A product(s) in this specification contains crystalline silica and formaldehyde. Crystalline silica and formaldehyde have been classified as "known" human carcinogens by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. A product(s) in this specification also contains oxidized asphalt. Occupational exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a "probable human carcinogen". Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of the product(s) in this specification may help limit any inhalation or dermal hazard during application and/or removal.

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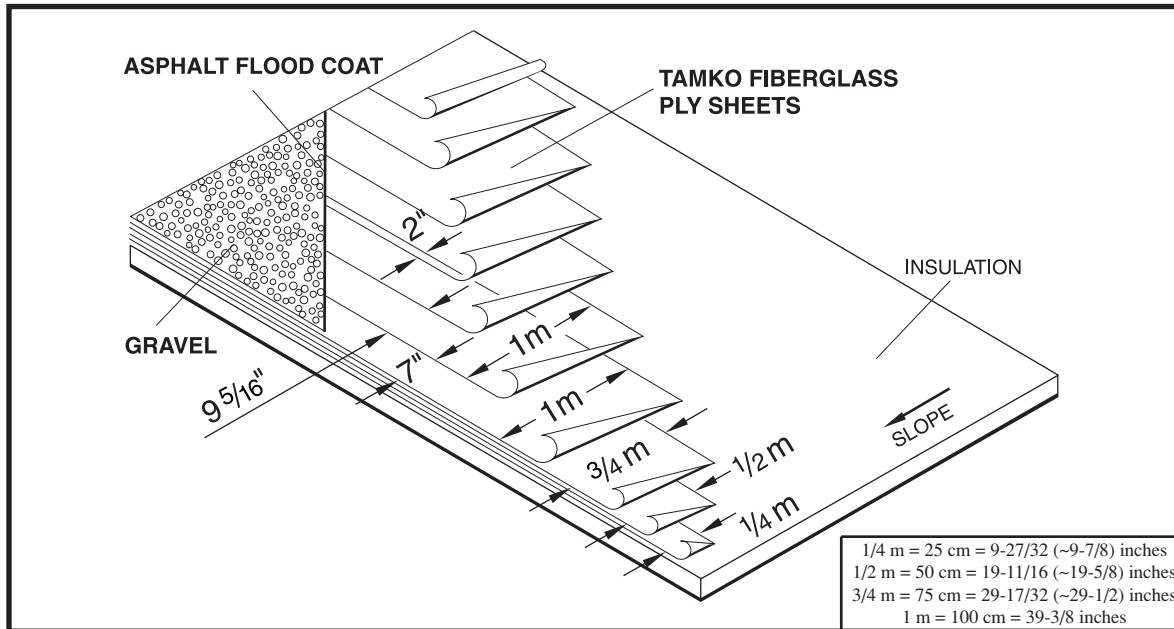
However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

Application of product(s) in this specification using "hot mopped" applications may expose workers and others in the work area to oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a "probable human carcinogen." During installation and removal of the product(s) in this specification, including "hot mopped" application, workers must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts, fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

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Material Requirements

TAMKO TAM-PLY IV® Fiberglass Ply Sheet	4 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 92 lbs.
Flood Coat Asphalt (Per 100 sq. ft.)	Approx. 60 lbs.
Gravel (Per 100 sq. ft.)	Approx. 400 lbs.

Slope: Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II* for slopes up to 1/2 in.** and **Type III for slopes up to 3 in.**

Fiberglass Ply Sheets: Over the insulation, install **4 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/4 m width, a 1/2 m width, then a 3/4 m width. Follow with full 1 m widths, shingle fashion, lapping each ply 30-1/16 in. in such a manner so that at least 4 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

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Surfacing: Apply a flood coat of 60 lbs. (±15%) of specification asphalt per 100 sq. ft. over the entire surface. While hot, embed approximately 400 lbs. of clean roofing gravel or 300 lbs. of slag per 100 sq. ft. of completed roof area.

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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Application of product(s) in this specification using "hot mopped" applications may expose workers and others in the work area to oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a "probable human carcinogen." During installation and removal of the product(s) in this specification, including "hot mopped" application, workers



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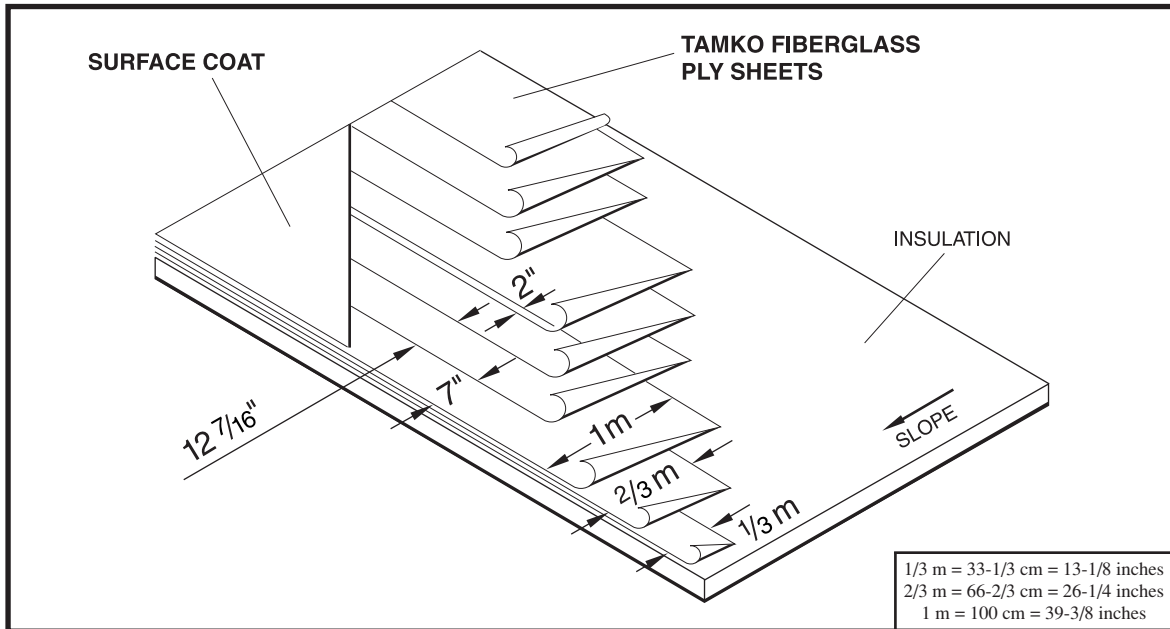
INSULATED DECKS

must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts, fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

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Material Requirements

TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Surface Coat: (Per 100 sq. ft.)	
(1) Fibered Aluminum Coating	1-1/2 to 2 gals.
(2) Emulsion Coating	3 gals.
(3) Asphalt Glaze Coating	20 to 25 lbs.
(4) TAM-STAR or TAM-GUARD White Elastomeric Roof Coating	2 gals.

Slope: Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II* for slopes up to 1/2 in.** and **Type III for slopes up to 3 in.**

Fiberglass Ply Sheets: Over the insulation, install **3 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of

ply sheet cover the insulation at any point. Approximately 23 lbs. ($\pm 15\%$) of specification asphalt per 100 sq. ft. should be used to embed each ply.

Surface Coat: Coat the entire roof surface with Fibered Aluminum Roof Coating at a rate of 1-1/2 to 2 gals. per 100 sq. ft., or Emulsion Roof Coating at a rate of not less than 3 gals. per 100 sq. ft., or a surface grade hot asphalt using a minimum of 20 lbs. and a maximum of 25 lbs. per 100 sq. ft., or TAM-STAR or TAM-GUARD White Elastomeric Roof Coating at rate of 2 gals. per 100 sq. ft. **Maintenance of the surface coating is required.**

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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SPECIFICATION SUBMITTAL

604 TAM-PLY IV
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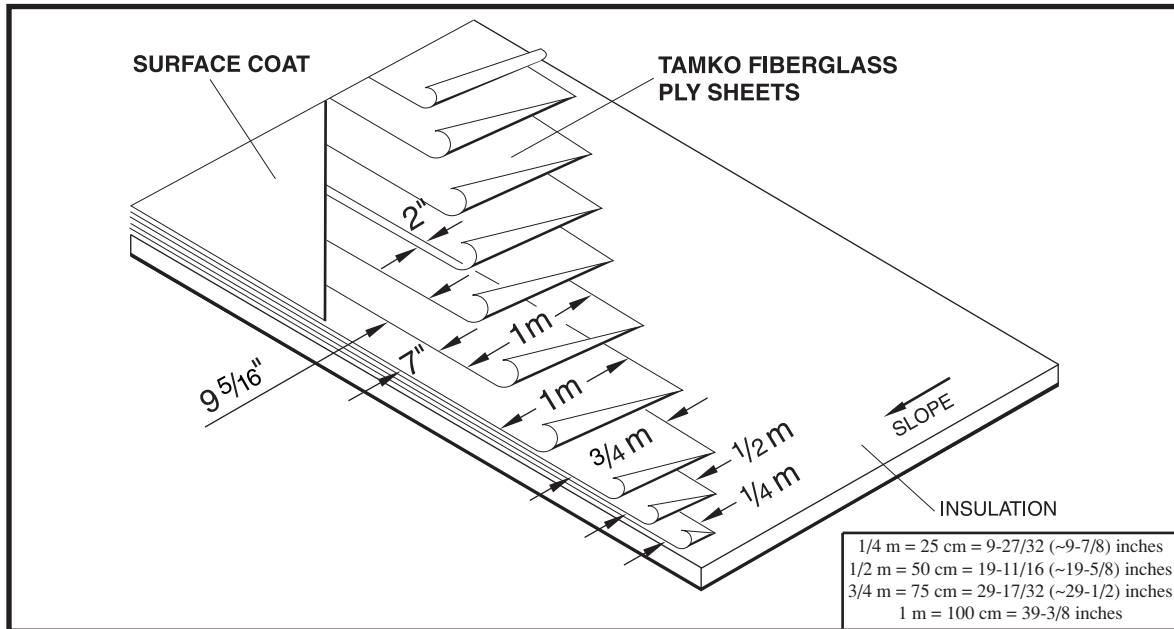
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Application of product(s) in this specification using “hot mopped” applications may expose workers and others in the work area to oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a “probable human carcinogen.” During installation and removal of the product(s) in this specification, including “hot mopped” application, workers must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts, fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

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Material Requirements

TAMKO TAM-PLY IV®	
Fiberglass Ply Sheet	4 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 92 lbs.
Surface Coat: (Per 100 sq. ft.)	
(1) Fibered Aluminum Coating	1-1/2 to 2 gals.
(2) Emulsion Coating	3 gals.
(3) Asphalt Glaze Coating	20 to 25 lbs.
(4) TAM-STAR or TAM-GUARD White Elastomeric Roof Coating	2 gals.

Slope: Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II* for slopes up to 1/2 in.** and **Type III for slopes up to 3 in.**

Fiberglass Ply Sheets: Over the insulation, install **4 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/4 m width, a 1/2 m width, then a 3/4 m width. Follow with full 1 m widths, shingle fashion, lapping each ply 30-1/16 in. in such a manner so that at least 4 plies of ply sheet cover the insulation at any point. Approximately

23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

Surface Coat: Coat the entire roof surface with Fibered Aluminum Roof Coating at a rate of 1-1/2 to 2 gals. per 100 sq. ft., or Emulsion Roof Coating at a rate of not less than 3 gals. per 100 sq. ft., or a surface grade hot asphalt using a minimum of 20 lbs. and a maximum of 25 lbs. per 100 sq. ft., or TAM-STAR or TAM-GUARD White Elastomeric Roof Coating at rate of 2 gals. per 100 sq. ft. **Maintenance of the surface coating is required.**

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

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Application of product(s) in this specification using "hot mopped" applications may expose workers and others in the work area to

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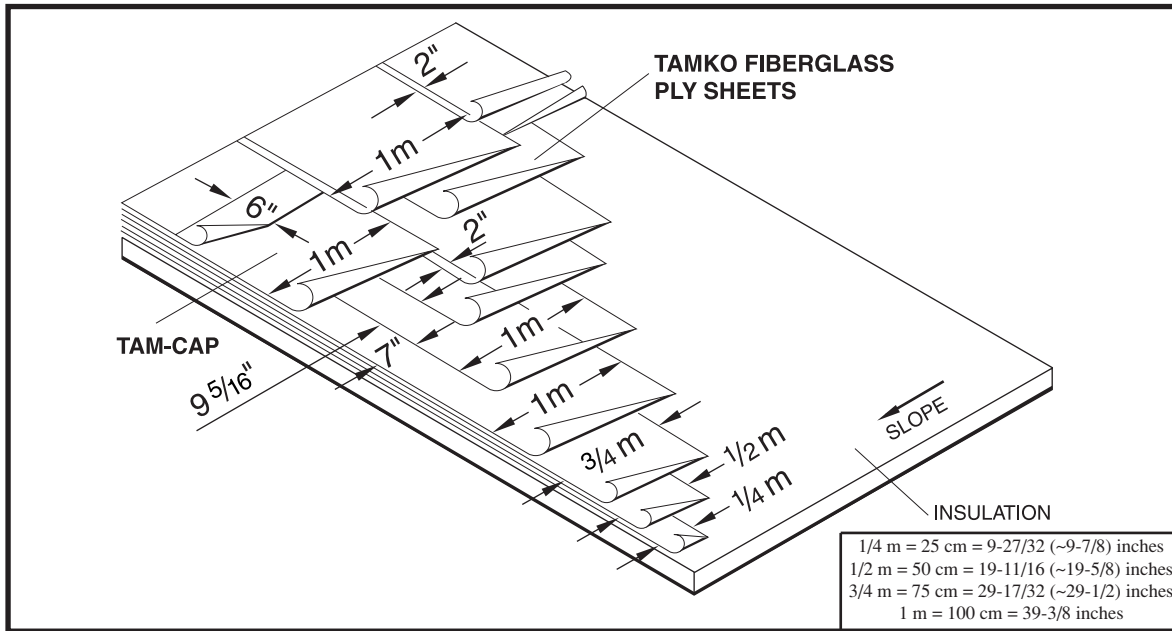
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oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a “probable human carcinogen.” During installation and removal of the product(s) in this specification, including “hot mopped” application, workers must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts, fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

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Material Requirements

TAMKO TAM-PLY IV® Fiberglass Ply Sheet	4 plies
TAMKO TAM-CAP® Fiberglass Mineral Surfaced Cap Sheet	1 ply
Interply Asphalt (Per 100 sq. ft.)	Approx. 115 lbs.

Slope: Positive drainage up to 3 in. per linear ft. **For slopes above 1 in. per linear ft.,** fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general 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 and expanded polystyrene must have an overlay of a minimum 1/2 in. fiberboard, perlite, or fiberglass roof insulation.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II* for slopes up to 1/2 in.** and **Type III for slopes up to 3 in.**

Fiberglass Ply Sheets: Over the insulation, install **4 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/4 m width, a 1/2 m width, then a 3/4 m width. Follow with full 1 m widths, shingle fashion, lapping each ply 30-1/16 in. in such a manner so that at least 4 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

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TAM-CAP: Starting from the low point of the roof, apply 1 ply of TAM-CAP, side lapping each sheet 2 in. and end lapping 6 in. over the preceding sheets. Fully mop each sheet with specification asphalt at the rate of 23 lbs. (±15%) per 100 sq. ft. On slopes of 1 in. per foot or greater, nail adjacent to top edge on 12 in. centers. Nail the laps on 3 in. centers and mop the full width with specification asphalt. **NOTE: Before application of TAM-CAP, cut it into 12 ft. to 18 ft. lengths and allow it to flatten and relax. Stagger the end laps.**

Alternately, installation by the “fly-in” or “mop and flop” method requires the installer to use a maximum of 12 ft. sections and to mop the 2 in. selvedge and the back of the TAM-CAP that will cover the selvedge.

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: A product(s) in this specification contains crystalline silica and formaldehyde. Crystalline silica and formaldehyde have been classified as “known” human carcinogens by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. A product(s) in this specification also contains oxidized asphalt. Occupational exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a “probable human carcinogen”. Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of the product(s) in this specification may help limit any

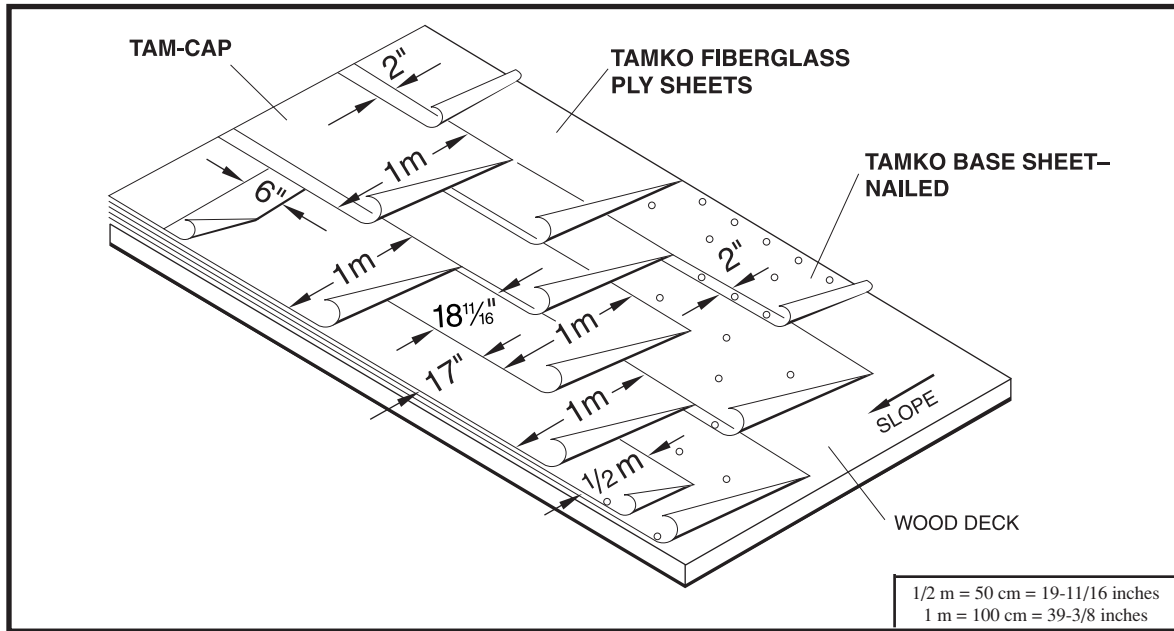
inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

Application of product(s) in this specification using “hot mopped” applications may expose workers and others in the work area to oxidized asphalt and its emissions. The International Agency for Research on Cancer has classified occupational exposures to oxidized asphalt and its emissions during roofing as a “probable human carcinogen.” During installation and removal of the product(s) in this specification, including “hot mopped” application, workers must take precautions to assure adequate ventilation and use effective personal protective equipment to prevent exposures to dusts, fumes, vapors and mists. It is the responsibility of the contractor and workers to protect themselves and others in the work area from exposure to oxidized asphalt and its emissions when applying the product(s) in this specification.

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Material Requirements

TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY® Base Sheet	1 ply
TAMKO TAM-PLY IV® Fiberglass Ply Sheet	2 plies
TAMKO TAM-CAP® Fiberglass Mineral Surfaced Cap Sheet	1 ply
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Clinch-type nails (Per 100 sq. ft.)	Approx. 100 Nails

Slope: Positive drainage up to 1-1/2 in. per linear ft. For slopes above 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general requirements.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, Type II* for slopes up to 1/2 in. and Type III for slopes up to 1-1/2 in.

TYPE 43 Coated Base Sheet or BASE-N-PLY Base Sheet: Starting at the low point of the roof, install 1 ply of TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. 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. Nail BASE-N-PLY sheet 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. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

Fiberglass Ply Sheets: Over the base ply, install 2 plies of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Start with a 1/2 m width followed by full 1 m widths, shingle fashion, lapping each ply 20-11/16 over the preceding ply so that at least 2 plies cover the base ply at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

TAM-CAP Mineral Surfaced Cap Sheet: Starting at the low point of the roof, apply 1 ply of TAM-CAP, side lapping each sheet 2 in. and end lapping 6 in. over the preceding sheets. Fully mop each sheet with specification asphalt at the rate of 23 lbs. (±15%) per 100 sq. ft. On slopes of 1 in. per foot or greater, nail adjacent to top edge on 12 in. centers. Nail the laps on 3 in. centers and mop the full width with specification asphalt. **NOTE: Before application of TAM-CAP, cut it into 12 ft. to 18 ft. lengths and allow it to flatten and relax. Stagger the end laps.**

Alternately, installation by the “fly-in” or “mop and flop” method requires the installer to use a maximum of 12 ft. sections and to mop the 2 in. selvedge and the back of the TAM-CAP that will cover the selvedge.

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: A product(s) in this specification contains crystalline silica, formaldehyde and wood dust. Crystalline silica, formaldehyde and wood dust have been classified as “known” human carcinogens by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. A product(s) in this specification also contains oxidized asphalt. Occupational

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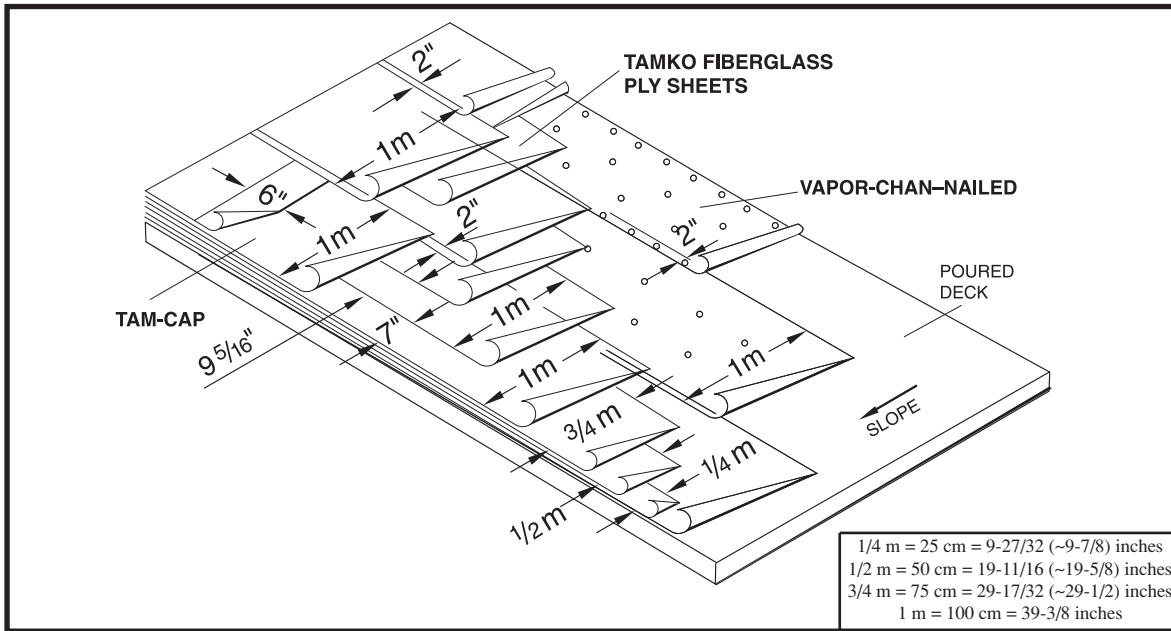
exposures to oxidized asphalt and its emissions during roofing have been classified by IARC as a “probable human carcinogen”. Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of the product(s) in this specification 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 the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

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Material Requirements

TAMKO VAPOR-CHAN® Fiberglass Venting Base Sheet	1 ply
TAMKO TAM-PLY IV® Fiberglass Ply Sheet	4 plies
TAMKO TAM-CAP® Fiberglass Mineral Surface Cap Sheet	1 ply
Interply Asphalt (Per 100 sq. ft.)	Approx. 115 lbs.
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 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general requirements.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, Type II* for slopes up to 1/2 in. and Type III for slopes up to 3 in.

VAPOR-CHAN: Starting at the low point of the roof, install 1 ply of VAPOR-CHAN, 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.

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Fiberglass Ply Sheets: Over the insulation, install 4 plies of TAM-GLASS PREMIUM Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/4 m width, an 1/2 m width, then a 3/4 m width. Follow with full 1 m widths, shingle fashion, lapping each ply 30-1/16 in. in such a manner so that at least 4 plies of ply sheet cover the insulation at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

TAM-CAP: Starting from the low point of the roof, apply 1 ply of TAM-CAP, side lapping each sheet 2 in. and end lapping 6 in. over the preceding sheets. Fully mop each sheet with specification asphalt at the rate of 23 lbs. (±15%) per 100 sq. ft. On slopes of 1 in. per foot or greater, nail adjacent to top edge on 12 in. centers. Nail the laps on 3 in. centers and mop the full width with specification asphalt. **NOTE: Before application of TAM-CAP, cut it into 12 ft. to 18 ft. lengths and allow it to flatten and relax. Stagger the end laps.**

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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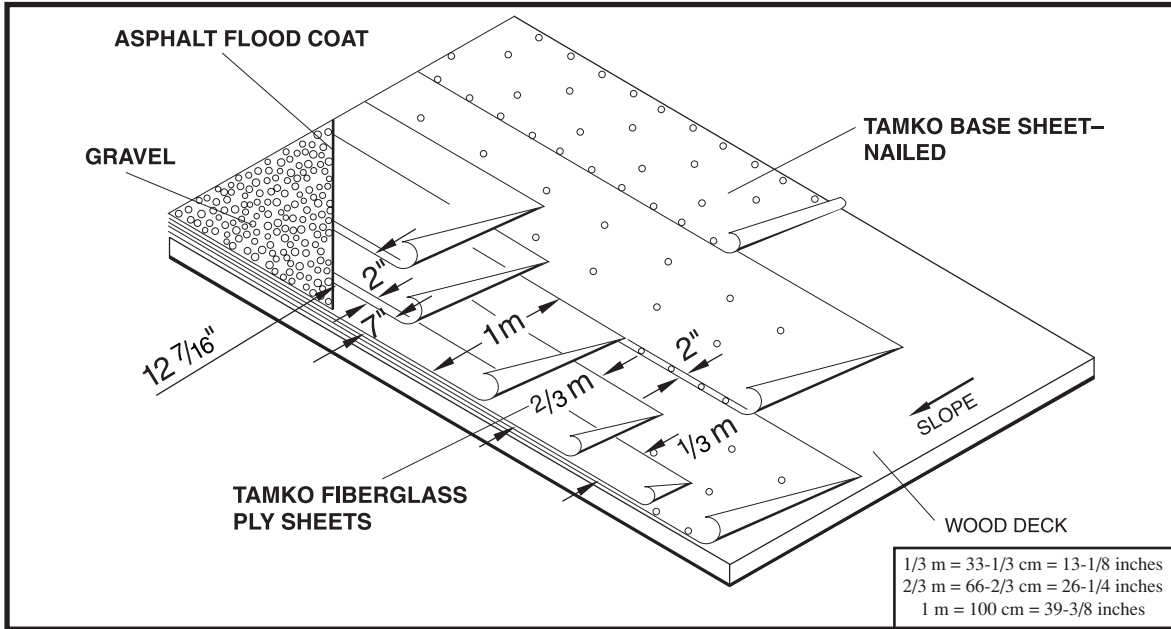


Aromatic Hydrocarbons some of which have been classified by IARC as known or probable human carcinogens. The physical nature of the product(s) in this specification may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

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Material Requirements

TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY® Base Sheet	1 ply
TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Flood Coat Asphalt (Per 100 sq. ft.)	Approx. 60 lbs.
Gravel (Per 100 sq. ft.)	Approx. 400 lbs.
Clinch-type nails (Per 100 sq. ft.)	Approx. 100 Nails

Slope: Positive drainage up to 3 in. per linear ft. For slopes above 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general requirements.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II*** for slopes up to 1/2 in. and **Type III** for slopes up to 3 in.

TYPE 43 Coated Base Sheet or BASE-N-PLY Base Sheet: Starting at the low point of the roof, install 1 ply of TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. 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. Nail BASE-N-PLY sheet 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. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

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Fiberglass Ply Sheets: Over the base ply, install 3 plies of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of ply sheet cover the base ply at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

Surfacing: Apply a flood coat of 60 lbs. (±15%) of specification asphalt per 100 sq. ft. over the entire surface. While hot, embed approximately 400 lbs. of clean roofing gravel or 300 lbs. of slag per 100 sq. ft. of completed roof area.

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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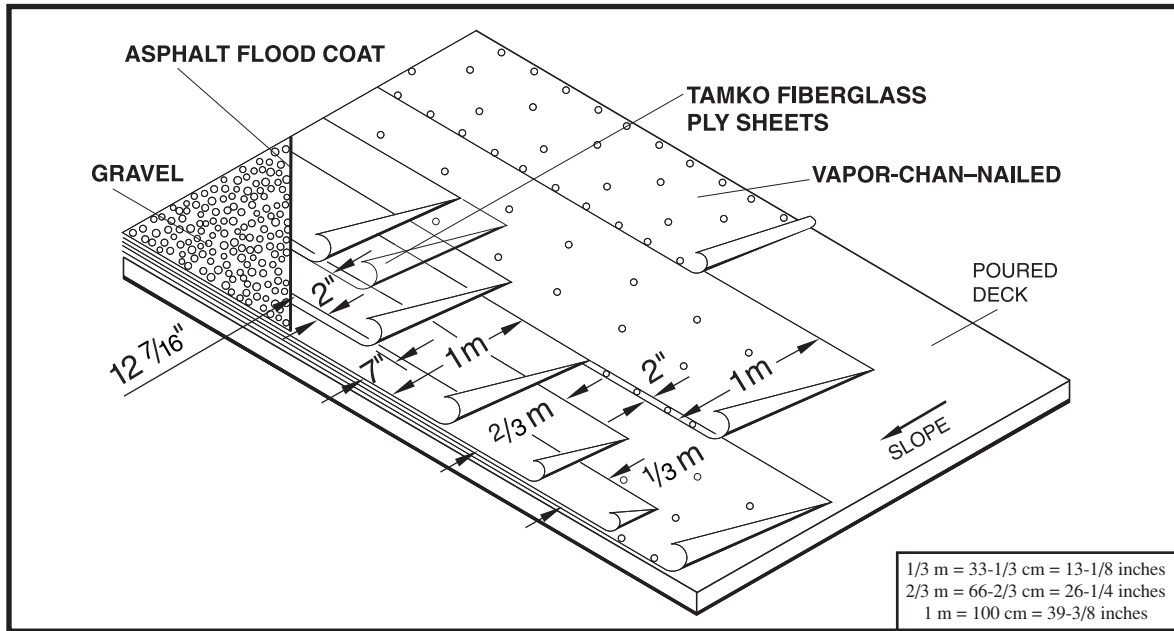
or burning may increase the inhalation or dermal exposure hazard of the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

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Material Requirements

TAMKO VAPOR-CHAN® Fiberglass Venting Base Sheet	1 ply
TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Flood Coat Asphalt (Per 100 sq. ft.)	Approx. 60 lbs.
Gravel (Per 100 sq. ft.)	Approx. 400 lbs.
Clinch-type nails (Per 100 sq. ft.)	Approx. 100 Nails

Slope: Positive drainage up to 3 in. per linear ft. For slopes above 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general requirements.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, **Type II*** for slopes up to 1/2 in. and **Type III** for slopes up to 3 in.

VAPOR-CHAN: Starting at the low point of the roof, install 1 ply of VAPOR-CHAN, 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.**

Fiberglass Ply Sheets: Over the base ply, install **3 plies** of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of ply sheet cover the base ply at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

Surfacing: Apply a flood coat of 60 lbs. (±15%) of specification asphalt per 100 sq. ft. over the entire surface. While hot, embed approximately 400 lbs. of clean roofing gravel or 300 lbs. of slag per 100 sq. ft. of completed roof area.

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

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SPECIFICATION SUBMITTAL

615 TAM-PLY IV
(Regions 1, 2, & 3)

NAILABLE DECKS (GYPSUM AND LIGHTWEIGHT
INSULATING CONCRETE)

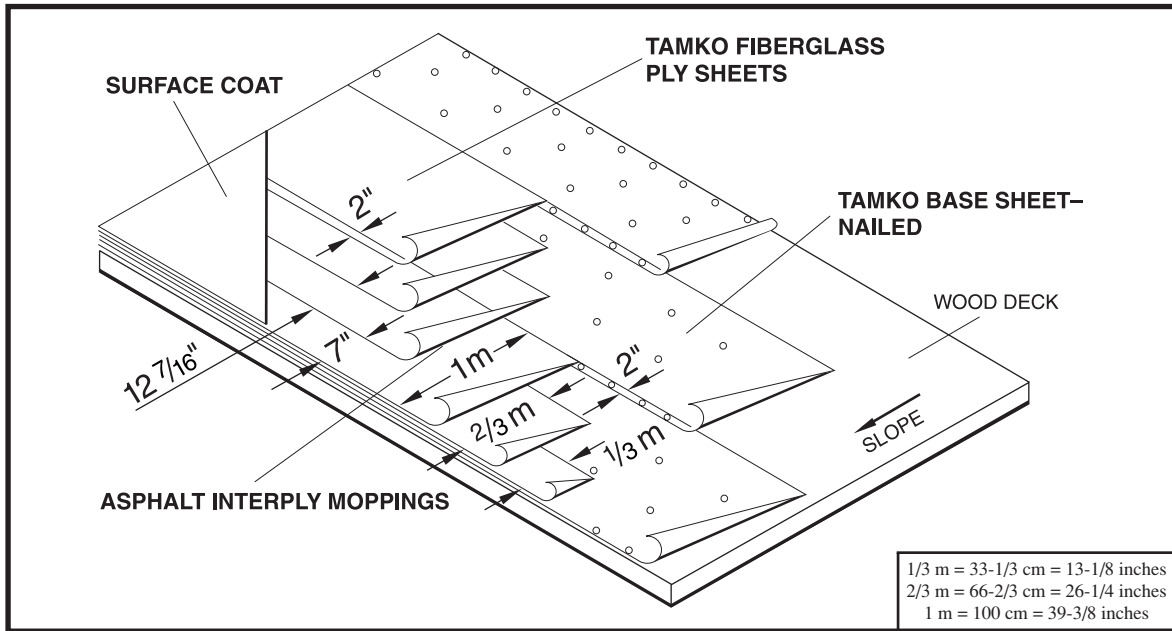
nature of the product(s) in this specification may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of the product(s) in this specification. Take precautions to prevent breathing and contact with skin.

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Material Requirements

TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY® Base Sheet	1 ply
TAMKO TAM-PLY IV® Fiberglass Ply Sheet	3 plies
Interply Asphalt (Per 100 sq. ft.)	Approx. 69 lbs.
Surface Coat: (Per 100 sq. ft.)	
(1) Fibered Aluminum Coating	1-1/2 to 2 gals.
(2) Emulsion Coating	3 gals.
(3) Asphalt Glaze Coating	20 to 25 lbs.
(4) TAM-STAR or TAM-GUARD White Elastomeric Roof Coating	2 gals.
Clinch-type nails (Per 100 sq. ft.)	Approx. 100 Nails

Slope: Positive drainage up to 3 in. per linear ft. For slopes above 1 in. per linear ft., fastening of the roofing felts is required.

Deck: The deck should conform to TAMKO general requirements.

Asphalt: The asphalt should be certified by the manufacturer to meet ASTM D-312, Type II* for slopes up to 1/2 in. and Type III for slopes up to 1 in.

TYPE 43 Coated Base Sheet or BASE-N-PLY Base Sheet: Starting at the low point of the roof, install 1 ply of TAMKO TYPE 43 Coated Base Sheet or BASE-N-PLY, side lapped 2 in. and end lapped 4 in. Apply at a right angle to the slope of the roof. 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. Nail BASE-N-PLY sheet

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. For specific fastening patterns for wind uplift listings, contact the Technical Services Department.

Fiberglass Ply Sheets: Over the base ply, install 3 plies of TAM-PLY IV Fiberglass Ply Sheet in specification asphalt. Starting from the low point of the roof, apply a 1/3 m width, then a 2/3 m width, and follow with full 1 m widths, shingle fashion, lapping each ply 26-15/16 in. in such a manner so that at least 3 plies of ply sheet cover the base ply at any point. Approximately 23 lbs. (±15%) of specification asphalt per 100 sq. ft. should be used to embed each ply.

Surface Coat: Coat the entire roof surface with Fibered Aluminum Roof Coating at a rate of 1-1/2 to 2 gals. per 100 sq. ft., or Emulsion Roof Coating at a rate of not less than 3 gals. per 100 sq. ft., or a surface grade hot asphalt using a minimum of 20 lbs. and a maximum of 25 lbs. per 100 sq. ft., or TAM-STAR or TAM-GUARD White Elastomeric Roof Coating at rate of 2 gals. per 100 sq. ft. **Maintenance of the surface coating is required.**

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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