MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Tremco Inc.
3735 Green Rd.
Beachwood, OH 44122

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: TREMproof 6100 Membrane System

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

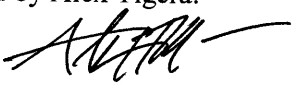
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA # 08-0117.06 and consists of pages 1 through 18.
The submitted documentation was reviewed by Alex Tigera.



ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Waterproofing
Materials	Rubberized Asphalt
Deck Type:	Concrete
Maximum Design Pressure	-440 psf (See Specific System Herein)
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT :

Product	Dimensions	Test Specification	Product Description
TREMproof 6100	55 gal. drums or 50 lb boxes	CGSB 37-GP-50M	Single component, hot applied rubberized asphalt compound for use in non-reinforced and reinforced applications.
TREMprime WB or QD Primer	1 and 5 gal. pails	CGSB 37-GP-9M	Concrete surface primer.
Tremco Reemay 2014	12" and 36" x 200 yards	See Product Literature	Polyester spunbonded reinforcement fabric.
Elastomeric Sheeting	6", 12", 18", 24" or 36" x 100' x 60 mil	See Product Literature	Elastometric reinforcement and flashing.
Tremco DualFlex	6", 9.5", 19", x 98mil	See Product Literature	Elastometric reinforcement and flashing.
Tremco 2450	36" x 48" x 0.1"	See Product Literature	Polypropylene protection board.
Tremco 2550/2560	1/8" or 1/4" thickness	See Product Literature	Semi-flexible asphaltic protection sheet.
POWERply Standard Smooth	3' x 56'8"	See Product Literature	Smooth surfaced modified bitumen protection sheet.
Tremco Paraterm Bar.	1/8" x 16'	See Product Literature	Aluminum or galvanized metal fastened with non-corroding fasteners of similar material.
PQ Super 200			Capillary cementious waterproofing.
Tremco WF Expansion Joints		See Product Literature	Elastomeric concrete expansion joints with 2.5" and greater seals.
POWERply Granular	3' x 56'8"	See Product Literature	Textured surface modified bitumen protection sheet.
Dymeric 240 FC	1.5 and 3 gallon pails	ASTM C290	Multi-component gun grade, polyurethane sealant.
TREMDrain 2000 Series	4' x 50' rolls	See Product Literature	Polystyrene core with polypropylene filter fabric.
Vulkem 45 SSL	Quart cartridges, 2, and 5 gallon pails.	ASTM C920	Single-component semi self-leveling polyurethane sealant.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY OTHERS:

Product	Dimensions	Test Specification	Product Description
Plaza Pavers	1ft x 1ft x 1- ¾" Min. wgt. 21 lbs/sft.	N/A	West Tile Roofing Products, Plaza Paver
Plaza Pavers	1ft x 1ft x 1-1/2"	ICPI	Any approved Paver per ICPI FLA
Plaza Pavers	1ft x 1ft x 2-3/8"	ICPI	Any approved Paver per ICPI FLA

MANUFACTURING LOCATION(S) :

1. Mississauga, Ontario

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
M. Nasiruddin & Associates LTD	19PA88-03	CGSB 37GP-50M	05/11/88
M. Nasiruddin & Associates LTD	1PC93-01	ASTM 896-84 ASTM 412 - 87 ASTM D 3408	01/17/94
Underwriters Laboratories, Inc.	R14468, 94NK17240	UL 790	04/27/93
Underwriters Laboratories, Inc.	R14468(N) 43NK9380	UL 790	04/12/93
Ministry of Transportation	OPSS 1213 DSM 9.90.15	CGSB 37GP-50M	05/88
Celotex Corporation Testing Services	520171	Physical Properties CGSB 37GP-50M	05/06/99
Independent Roof Testing	00024	TAS 114	10/24/00
PRI Construction Materials Technologies	TRE-036-02-01	TAS 114 Appendix D	06/10/09

APPROVED SYSTEMS

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, dual slab construction

System Type A(1): TREMproof 6100, non-insulated, non-reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days, preferably 28 days, prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive Dual Flex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the Dual Flex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of

horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of 47 mil elastometric reinforcement shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproom 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Reinforcement: None.

Top Coat: None.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco 2450 or POWERply Standard Smooth, POWERply Granular or TremDrain 1000 protection board over membrane while still hot overlaping a minimum of 1" (25 mm). Overlap protection board in a manner consistent with good drainage practices.

Surfacing: Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code requirements.

Maximum Design Velocity Pressure: N/A

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, dual slab construction

System Type A(2): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days, preferably 28 days, prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of

reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of DualFlex, DualFlex Drain Detailer, or 47 mil elastometric reinforcement shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMPrime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco 2450 protection board over membrane while still hot overlaping a minimum of 1" (25 mm). Overlap protection board in a manner consistent with good drainage practices.

Surfacing Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code requirements.

Maximum Design Velocity Pressure: N/A

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, with concrete pavers

System Type A(3): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days, preferably 28 days, prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of DualFlex, DualFlex Drain Detailer, or 47 mil elastometric reinforcement shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco 2450 or POWERply Standard Smooth, POWERply Granular or TremDrain 2000 protection over membrane while still hot overlaping a minimum of 1" (25 mm). Overlap protection board in a manner consistent with good drainage practices.

Surfacing 1ft x 1ft x 1-$^{3}/_{4}$ inches thick concrete pavers having a minimum compresion strenght of 7,500 psi, and minimum weight of 21 lbs/sft. Shall be installed in a minimum two inch thick mortar bed. Mortar shall be a 3:1 mix, three parts mansory sand to one part cement. Before setting pavers, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Pavers should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.

Maximum Design Velocity Pressure: -115 psf (See General Limitation #9)

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, with concrete pavers

System Type A(4): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days preferably 28 days prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of Dualflex, DualFlex Drain Detailer, or Elastomeric Sheeting that shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco POWERply Granular protection over the membrane while still hot overlaping a minimum of 2" (50 mm). Overlap protection system in a manner consistent with Tremco application directions.

Surfacing 1ft x 1ft x 1 - 1/2 inch thick concrete pavers as specified per ICPI Florida specifications . Shall be installed in a minimum one inch thick mortar bed. Mortar shall be as specified. Pavers should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.

Maximum Design Velocity Pressure: -440 psf (See General Limitation #9)

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, with concrete pavers

System Type A(5): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days preferably 28 days prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of Dualflex, DualFlex Drain Detailer, or Elastomeric Sheeting that shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco POWERply Granular protection over the membrane while still hot overlaping a minimum of 2" (50 mm). Overlap protection system in a manner consistent with Tremco application directions.

Surfacing 1ft x 1ft x 2 - 3/8 inch thick concrete pavers as specified per ICPI Florida specifications . Shall be installed in a minimum one inch thick mortar bed. Mortar shall be as specified. Pavers should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.

Maximum Design Velocity Pressure: -361.5 psf (See General Limitation #9)

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, with concrete pavers

System Type A(6): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days preferably 28 days prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of Dualflex, DualFlex Drain Detailer, or Elastomeric Sheeting that shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco TREMDrain 2000 Series over the membrane while still warm overlapping a minimum of 1" (25 mm) or abutting. Overlap protection system in a manner consistent with Tremco application directions.

Surfacing 1ft x 1ft x 1 - 1/2 inch thick concrete pavers as specified per ICPI Florida specifications. Shall be installed in a minimum one inch thick mortar bed. Mortar shall be as specified. Pavers should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.

Maximum Design Velocity Pressure: -67.5 psf (See General Limitation #9)

Deck Type 1 Concrete Decks

Deck Description: Min. 2500 psi, with concrete pavers

System Type A(7): TREMproof 6100, non-insulated, reinforced

Substrate: Structural concrete shall be water cured a minimum of 14 days preferably 28 days prior to application of the membrane. Lightweight concrete shall be water cured a minimum of 30 days prior to application of membrane. Venting the deck from the underside is recommended to facilitate drying of the lightweight deck. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris. A final check of the substrate must be made to determine that the substrate has been properly cleaned. Any defects which may impair performance of membrane shall be appropriately repaired. Commencement of work shall imply acceptance of surfaces.

Membrane Flashing: Flashing materials shall be Tremco DualFlex or Elastomeric Sheeting.

A minimum of 6" (150 mm) reinforcement shall be centered over all joints and cracks. Upturns are to be reinforced to provide a minimum lap onto the horizontal and vertical of 6" (150 mm. Place reinforcement continuously and overlap a minimum of 6" (150 mm) using the membrane as an adhesive.

All cracks and joints exceeding $^1/_8$" (3 mm) in width and up to $^1/_4$" (6 mm) shall receive DualFlex or Elastomeric Sheeting. For all cracks and non-working joints exceeding $^1/_4$" (6 mm) contact the membrane manufacturer.

Where reglets are detailed on verticals, ensure that reinforcement materials are terminated a minimum 3" (75 mm) below reglet, and carry hot membrane into reglet.

At expansion joints, apply a minimum membrane coat of $^1/_8$" (3 mm) thickness on either side of joint and carry membrane a minimum of 3" (75 mm) beyond termination of the DualFlex or Elastomeric Sheeting. For expansion joints of $^1/_2$" (12.8 mm) wide to 2" (50 mm) wide and designed for 50% movement, loop reinforcement into joint to a depth 1.5 times the width of joint and carry reinforcement a minimum of 6" (150 mm) from edge of joint on both sides. Apply a top coat of membrane to fill loop. For expansion joints at juncture of horizontal and vertical surfaces, reinforce as above and where required provide continuous mechanical fastening bar (or Paraterm Bar) on vertical face of reinforcement fastened at 8" (200 mm) o.c. For vertical expansion joints, a continuous mechanical fastening bar (or Paraterm Bar) over elastometric reinforcement on both sides of joint at 8" (200 mm) o.c.

At drains, install lead flashing or minimum 18" (457 mm) square of Dualflex, DualFlex Drain Detailer, or Elastomeric Sheeting that shall be centered over drain with membrane being applied with a minimum $^{1}/_{8}$" (3 mm) top coat of membrane and secured by clamping ring.

Primer: Prior to membrane application, spray or roll TREMprime WB or QD Primer over concrete substrates at a coverage rate of 300 to 500 ft^2/gal. (28 to 46 m^2/L). Primer must be allowed to dry prior to membrane application. Membrane installation shall follow shortly thereafter to prevent excessive dusting.

Base Coat: Apply TREMproof 6100 membrane to a minimum thickness of $^{1}/_{8}$" (3 mm) to all areas to receive reinforcement. Apply membrane to ensure that membrane extends a minimum of 3" (75 mm) beyond any reinforcement material.

Apply any necessary reinforcement over membrane immediately, while membrane is still warm and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Apply membrane to a minimum thickness of $^{3}/_{32}$" (2 mm) to all areas to receive reinforcement.

Apply reinforcement over membrane immediately, while membrane is still hot and tacky to ensure adhesion. Ensure that no air pockets or fish-mouths exist.

Reinforcement: Apply an initial membrane coat of a minimum $^{3}/_{32}$" (2 mm) thickness and follow immediately with Tremco 2014 Reemay fabric reinforcement. Overlap fabric a minimum of 2" (50 mm) and ensure membrane is applied between fabric.

Top Coat: Top coat fabric reinforcement with a final coat of membrane to provide a total finished membrane thickness of a minimum $^{7}/_{32}$" (5 mm).

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

Protection Course: Place Tremco TREMDrain 2000 Series over the membrane while still warm overlapping a minimum of 1" (25 mm) or abutting. Overlap protection system in a manner consistent with Tremco application directions.

Surfacing 1ft x 1ft x 2 - 3/8 inch thick concrete pavers as specified per ICPI Florida specifications. Shall be installed in a minimum one inch thick mortar bed. Mortar shall be as specified. Pavers should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.

Maximum Design Velocity Pressure: -97.5 psf (See General Limitation #9)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.
3. All work shall be performed by a Contractor licensed to do roofing/waterproofing. Contractor shall be familiar with the details and shall be approved by Tremco, Inc. Tremco, Inc., Hot Applied Liquid Membrane Systems shall be installed solely by approved applicators and only with installation and heating equipment approved by Tremco, Inc.
4. Flashings shall be installed according to the manufacturer's published standard details and shall be submitted to the Building Official for review.
5. Tremco, Inc., Hot Applied Liquid Membrane Systems shall not be exposed to the weather and shall be protected by a protection sheet or other approved protection method from traffic.
6. Tremco, Inc.,Hot Applied Liquid Membrane Systems shall not be installed without consultation with American Permaquik, Inc., if ambient or surface temperature is below 0°F. Do not apply to wet or frozen concrete surface.
7. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
8. Tremco, Inc.,Hot Applied Liquid Membrane Systems shall not be installed without consultation with Tremco, Inc., if ambient or surface temperature is below 0°F. Do not apply to wet or frozen concrete surface.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
10. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
11. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code
12. All approved products listed herein shall be labeled in compliance with TAS 121 and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

END OF THIS ACCEPTANCE