



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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PLI-DEK, LLC
41610 Date Street, Ste 104
Murrieta, CA 92562

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Pli-Dek Con-Dek Waterproofing Systems

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 NOA consists of pages 1 through 30.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 17-1206.16
Expiration Date: 01/23/25
Approval Date: 01/23/20
Page 1 of 30

ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Waterproofing
<u>Material:</u>	Cementitious
<u>Deck Type:</u>	Concrete
<u>Maximum Design Pressure:</u>	-502.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GU80-1 White Top Coat	46 lb. bag	Proprietary	Proprietary mixture of Portland Cement and Silica Sand.
GU80-1 Custom Top Coat	46 lb. bag	Proprietary	Proprietary mixture of Portland Cement and Silica Sand.
GU80-1 Liquid Admixture	5 gal. pail	Proprietary	Polyacrylic Emulsion.
GS88-1 Pigmented Sealer	5 gal. pail	Proprietary	Proprietary Water-based acrylic Mixture.
Vapor Prime	1 and 3 gal. kits	Proprietary	Concrete surface primer.
PD Resin	5 gal. pail	Proprietary	Liquid Polymer Bonding Resin.
Polymer Modified Asphalt (PMA)	5 gal. pail	Proprietary	Polymer Modified Asphalt.
Cold Rubber – HB-H	5 gal. pail	Proprietary	Cold Fluid Applied Waterproofing.
.75 oz Fiberglass Mat	50" wide x 460 linear foot roll	Proprietary	.75 oz. fiberglass reinforcement mat.
Poly-Scrim	6", 12", or 36" wide x 100 linear foot rolls	Proprietary	Polyester reinforcement fabric.
PD Reemay Fabric	36" wide x 600 linear foot roll	Proprietary	Polyester reinforcement fabric.
PD Drain Board	48" wide x 50 linear foot roll	Proprietary	Polypropylene protection board.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Concrete Paver	Min 24"x24"x1 3/4"	N/A	Concrete Paver.	Generic
Concrete Tile	Min. 12"x12"x1"	N/A	Concrete Tiles.	Generic
Ceramic Tile	Min. 6"x6"x0.375"	N/A	Ceramic Tiles.	Generic
Thin-Set Mortar	N/A	ANSI A118.4, ANSI A118.11	Polymer modified thin-set mortar for ceramic or concrete tiles and/or pavers.	Generic
3M Scotch Weld High Strength 94CA	N/A	N/A	Clear spray adhesive	3M



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
PRI Construction Materials Technologies LLC	PLID-014-02-01	ASTM D412	06/22/17
		ASTM D1120	
		ASTM D1475	
		ASTM D2196	
		ASTM D2697	
		ASTM D4541	
		ASTM D96	
	PLID-013-02-01	TAS 114-D	08/21/17
	PLID-011-02-05	ASTM C297	08/23/17
	PLID-011-02-04	ASTM C297	08/22/17
	PLID-011-02-01	ASTM C297	08/22/17
	PLID-006-02-01	TAS 114-D	09/28/16
	PLID-001-02-01	ASTM D1499	11/14/16
ASTM D124			
Percolation Test			
TAS 114-D			
TAS 114-H			
ASTM D2299			
ASTM C501			
ASTM D5147			
RADCO A Twining Company	RAD-4592	ASTM D756	11/20/15
		AST M C67	
		ASTM C297	
		ASTM D570	
		ASTM D3746	
UL LLC	4786799885	UL 790	02/20/15



APPROVED APPLICATIONS:

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(1):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. GU80-1 Top Coat mixture is to be applied by a trowel or a hopper gun over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code Requirements.
Maximum Design Pressure:	N/A

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(2):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. GU80-1 Top Coat mixture is to be applied by a trowel or a hopper gun over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Apply the GS88-1 Pigmented Sealer over the cured top coat at a rate of 1-gallon/100sq.ft. using a ¾" nap roller suitable to latex type coatings. Sealer shall be allowed to cure in accordance with manufacturer's application instructions.
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(3):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mixture over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code Requirements.
Maximum Design Pressure:	N/A

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(4):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mixture over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Minimum 6" x 6" x 0.375" thick ceramic tile shall be set on top of Pli-Dek GU80-1 Custom Top Coat using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel. Before setting tiles, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.
Maximum Design Pressure:	-497.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(5):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mixture over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Concrete Pavers (24"x24"x1 3/4" pre-manufactured concrete pavers) set on top of on top of Pli-Dek GU80-1 Custom Top Coat with minimum 2" thick mortar bed using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel.
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9)



Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(6):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. Trowel a top coat over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code Requirements.
Maximum Design Pressure:	N/A

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(7):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. Trowel a top coat over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the PMA or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Minimum 6" x 6" x 0.375" thick ceramic tile shall be set on top of Pli-Dek GU80-1 Custom Top Coat using ANSI A118.1 mortar installed per manufacturer application instructions with a ¼" notched trowel. Before setting tiles, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.
Maximum Design Pressure:	-232.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(8):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. Trowel a top coat over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Concrete Tiles approved for exterior use (12" x 12" x 1" pre-manufactured concrete tiles) set on top of Pli-Dek Drainboard using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel. Before setting tiles, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.
Maximum Design Pressure:	-277.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(9):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Apply a coat of PD Resin Base Coat using a ¾" nap roller as specified below. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel in the PD Resin at the rate of approximately 1-gallon/50 sq.ft. Base coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Intermediate Coat:	Apply a second coat of PD Resin Base Coat using a ¾" nap roller at a rate of 1 gallon/80 sq.ft. Intermediate coat shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Pour 4.75L (1.25 gallons) of GU80-1 Liquid Admixture into a clean 19L (5 gallon) plastic container. Add one 21kg (46lbs.) bag of GU80-1 Top Coat powder. Mix thoroughly for 3 to 4 minutes, with a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. Trowel a top coat over the base coat at a rate of 175 sq.ft. per mix. Allow Top Coat to cure in accordance with manufacturer's instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Concrete Pavers (24"x24"x1 3/4" pre-manufactured concrete pavers) set on top of on top of Pli-Dek GU80-1 Custom Top Coat with minimum 2" thick mortar bed using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel.
Maximum Design Pressure:	-340 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(10):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mix over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Structural Concrete Slab, minimum 2500 psi shall be designed to comply with applicable Building Code Requirements.
Maximum Design Pressure:	N/A

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(11):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mix over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Minimum 6" x 6" x 0.375" thick ceramic tile shall be set on top of Pli-Dek GU80-1 Custom Top Coat using ANSI A118.1 mortar installed per manufacturer application instructions with a ¼" notched trowel. Before setting tiles, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.
Maximum Design Pressure:	-332.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(12):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mix over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Concrete Tiles approved for exterior use (12" x 12" x 1" pre-manufactured concrete tiles) set on top of Pli-Dek Drainboard using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel. Before setting tiles, dampen the back of each one and apply a slurry of mortar to ensure maximum contact with mortar bed. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing.
Maximum Design Pressure:	-292.5 psf. (See General Limitation #9)

Membrane Type:	Cementitious Waterproofing Membrane
Deck Type 1:	Concrete Decks, Non-Insulated
Deck Description:	Concrete Decks, Terraces, Balconies, Roof Plaza Decks
System Types F(13):	Pli-Dek Con-Dek System applied to deck.
Substrate:	Min. 2500 psi, Structural Concrete shall have cured a minimum of 28 days prior to application of Con-Dek Coating.
Substrate Preparation:	All undermined, cracked, damaged, etc. concrete must be repaired or replaced before applying the Pli-Dek coatings over the concrete surfaces. All concrete surfaces must be cleaned to remove all grease, oil, moisture, dust, paint, sealers, efflorescence etc. that may impair the adhesion of the Pli-Dek materials. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating. All concrete areas are to be free of moisture, wax, oil, silicone, or solvent curing compounds. Prepare the surface by degreasing and power washing, grinding or shot blasting.
Primer:	(Required) Install one of the following: 1. A mixture of 1-gallon GU80-1 Liquid Admixture/ 4 gallons of water shall be applied to prepared concrete deck at a minimum rate of 1-gallon/240sq.ft. 2. Flood Coat of Vapor Prime at an application rate of 1-gallon/100sq.ft. Broadcast 16 grit silica sand into wet Vapor Prime at a rate of 50lbs/100sq.ft.
Base Coat:	Mix 1.5-gallons of Pli-Dek GU80-1 Liquid Admixture with one 46lb. bag of GU80-1 Custom Top Coat in a clean 19L (5-gallon) plastic container. Mix thoroughly for 3 to 4 minutes, with a Wind-lock-B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 100 RPMs. (Required) Install one of the following: 1. Lay out the .75 oz. fiberglass mat and GU80-1 Custom Top Coat mixture over the .75oz fiberglass at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions. 2. Lay out the Poly-Scrim and trowel GU80-1 Custom Top Coat mixture over the Poly-Scrim at a rate of 175 sq.ft. per batch mix. GU80-1 Custom Top Coat mixture shall be allowed to cure in accordance with manufacturer's instructions until dry to touch. For control joints or cracks, refer to the manufacturer's instructions.
Top Coat:	Trowel a second coat of GU80-1 Custom Top Coat mix over the .75oz fiberglass or Poly-Scrim installed at a rate of 175 sq.ft. per batch mix. Allow Base Coat to properly cure per manufacturer's application instructions before proceeding.

Sealer Coat:	(Required) Install one of the following: 1. Mix thoroughly and apply Polymer Modified Asphalt (PMA) by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding. 2. A mixture of 1-quart of water/5-gallons of Cold Rubber - HB-H shall be applied by brush, squeegee, trowel, roller, or airless sprayer at a rate of 60 wet mils thickness (1-gallon/25sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Reinforcement:	(Optional) For reinforced assembly, embed a layer of PD Reemay Fabric reinforcement fabric into the either the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H while it is still wet. Overlap fabric reinforcing sheet 2 inches with membrane between sheets. Apply a second coat of Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H by roller, trowel, or squeegee at a rate of 60 wet mils thickness (1-gallon/25 sq.ft.) Allow to cure per manufacturer's instructions before proceeding.
Protection Board:	After the Polymer Modified Asphalt (PMA) or Cold Rubber - HB-H has cured in accordance with manufacturer's instructions, apply 3M Scotch Weld High Strength 94CA with a 3/8" nap roller at a rate of 1 gallon/300 sq.ft. Lay out PD 2.2 or PD 3.2 Drain Board over wet 3 M Scotch Weld High Strength 94CA. Butt the side and roll ends together and overlap the filter fabric on to the adjacent roll a minimum of 2-3", to insure complete coverage. Allow to cure overnight.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
Inspection:	A representative of the Pli-Dek, or Pli-Dek approved inspection consultant or approved Pli-Dek Technical Representative shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	(Required) Install the following: 1. Concrete Pavers (24"x24"x1 3/4" pre-manufactured concrete pavers) set on top of on top of Pli-Dek GU80-1 Custom Top Coat with minimum 2" thick mortar bed using ANSI A118.1 mortar installed per manufacturer application instructions with a 1/4" notched trowel.
Maximum Design Pressure:	-207.5 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. A copy of the integrity test report described herein in accordance with ASTM D5957 shall be provided to the Building Official for review at time of final inspection.
3. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by PLI-DEK, LLC. 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.
4. Con-Dek Waterproofing Systems described herein shall be installed solely by approved applicators familiar with the details and approved by PLI-DEK, LLC., and only with approved equipment. All work shall be performed by a Contractor licensed to do roofing/waterproofing. PLI-DEK, LLC shall supply a list of approved applicators to the authority having jurisdiction.
5. Con-Dek Systems shall not be installed without consultation with Pli-Dek, if ambient or surface temperature is below 50°F. Do not apply to wet or frozen concrete surface.
6. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
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). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

