



Product Evaluation

RC152 | 1016

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RC-152

Effective Date: October 1, 2016

Re-evaluation Date: October 2020

Product Name: TARCO Modified Bitumen Roofing Systems

Manufacturer: TARCO
One Information Way, Suite 225
Little Rock, AR 72202
(501) 945-4506

General Description:

- LeakBarrier® EasyStick™ Plus is a self-adhered, polyester reinforced, granular surfaced, SBS modified bitumen roll roofing membrane intended for use as a cap sheet.
- LeakBarrier® EasyLay™ is mechanically attached, polyester reinforced, asphalt based, roll roofing material intended for use as a base or plysheet.
- LeakBarrier® EasyBase™ is a self-adhered, fiberglass reinforced, smooth surfaced, SBS modified bitumen roll roofing membrane intended for use as a base or interply sheet.
- LeakBarrier® EasyTorch™ SA Base is a self-adhered, fiberglass reinforced, smooth surfaced, SBS modified bitumen roll roofing membrane intended for use as a base or interply sheet.
- LeakBarrier® EasyTorch™ APP Smooth is a torch applied, polyester reinforced, smooth surfaced, APP modified bitumen roll roofing membrane intended for use as a base, interply or cap sheet.
- LeakBarrier® EasyTorch™ APP Granular is a torch applied, polyester reinforced, granular surfaced, APP modified bitumen roll roofing membrane intended for use as a cap sheet.

Limitations:

General installation Requirements:

All IRC and the IBC requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Roof Slope: The roof must have a minimum slope of 1/4:12.

Installation over an Existing Roof Covering (Roof Recover):

Inspection of Roof Covering Recover Installation: Inspection of the roof covering recover installation must be by a Texas Department of Insurance appointed engineer. The Texas Department of Insurance appointed engineer must determine if the roof framing can support the combined weight of the existing roof covering and the roof covering recover.

Roof Covering Replacement versus Roof Covering Recover: All existing roof coverings must be completely removed and a new roof covering installed if any of the following conditions occur:

- The existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for the additional roof covering.
- The existing roof has two or more applications of any type of roof covering.

Positive Drainage: The roof covering recover application must not be required to meet the minimum roof slope of 1/4" per foot if positive drainage is provided.

Roof Framing: The maximum allowable spacing of the roof framing must be as specified in this evaluation report.

Roof Deck: The existing roof deck must be as specified in each assembly listed in this evaluation report. The underside of the roof deck must be examined by the Texas Department of Insurance appointed engineer for corrosion or deterioration. If corrosion exists, then it must be treated with a rust inhibitor. A fastener withdrawal resistance test must be conducted in the corroded or deteriorated area to determine if the withdrawal resistance of the fastener complies with the minimum fastener requirements for the roof covering recover application. If the tested fastener fails to comply, then the deteriorated roof deck must be replaced.

Fastener Withdrawal Resistance: The fastener withdrawal resistance must be conducted in accordance with ANSI/SPRI FX-1-2006 and this evaluation report.

Fasteners used for the installation of the roof covering recover to the existing roof deck must be as specified in the Installation Instructions section of this evaluation report. For the withdrawal test, the fasteners must be installed in the existing roof deck as required for the roof covering recover installation. A Texas Department of Insurance appointed engineer must review the data to verify the integrity of the existing roof deck and to compare results of the withdrawal tests with the minimum fastener requirements for the roof covering recover application.

The Texas Department of Insurance appointed engineer must document all test results, including the locations on the roof surface where the tests are performed. A minimum of ten withdrawal resistance tests are required for a roof area up to 50,000 square feet (a minimum of 50 percent of the tests must be conducted at the perimeter and the corners). Five additional tests are required for each additional 5,000 square feet of roof area or portion thereof (a minimum of 50 percent of the tests must be conducted at the perimeter and the corners). The tests must be located evenly spread across the surface of the roof. At least one withdrawal test must be performed on each roof level if the roof consists of multiple levels.

The withdrawal resistance of each tested fastener must comply with the minimum fastener requirements for the roof covering recover application. If a tested fastener fails to comply, then the Texas Department of Insurance appointed engineer must examine that area for deterioration of the roof deck by removing

the existing roof covering in that area. If that area of the roof deck has deteriorated, then the deteriorated roof deck must be replaced.

Existing Roof Covering Preparation: The existing roof covering must be prepared to receive the roof covering recover as specified in the Firestone installation instructions.

The existing roof covering surface must be dry and free of dirt and debris. If the existing roof covering is gravel surfaced, then the loose gravel must be completely removed. The surface of the existing roof covering must be relatively smooth.

If the existing roof covering has blisters, buckles, ridges, folds, or other deformations, then they must be removed and the surface patched to provide a smooth surface.

If the existing roof covering has loose fasteners, then the existing membrane must be cut open, the loose fasteners removed, and the surface patched to provide a smooth surface.

Roof Covering Recover Installation: Installation of the roof covering recover must be specified in the Installation Instructions section of this evaluation report.

APPENDIX 1: Attachment Requirements for Wind Uplift Resistance

Table	Deck	Application	Description	Page
1A	Wood	New, Reroof (Tear-Off) or Recover	Mech. Attached Insulation, Bonded Roof Cover	8
1B	Wood	New, Reroof (Tear-Off) or Recover	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	9
1C-1	Wood	New or Reroof (Tear-Off)	Non-Insulated, Mech. Attached Base Sheet (nails), Bonded Roof	10
1C-2	Wood	New, Reroof (Tear-Off) or Recover	Non-Insulated, Mech. Attached Base Sheet (screws & plates),	11
1D	Wood	New or Reroof (Tear-Off)	Non-Insulated, Bonded Roof Cover	11
2A	Concrete	New or Reroof (Tear-Off)	Non-Insulated, Bonded Roof Cover	12

The following notes apply to the systems outlined herein:

1. The roof system evaluation herein pertains to above-deck roof components.
2. Unless otherwise noted, fasteners and stress plates for insulation attachment must be as follows. Fasteners must be of sufficient length for the following engagements:
Wood Deck: OMG #12 or #14 HD with OMG 3 in. Galvalume Steel Plate or Tru-Fast DP or HD with MP-3 Plates. Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment.
3. For mechanically attached components over existing decks, fasteners must be tested in the existing deck for withdrawal resistance. A qualified design professional must review the data for comparison to the minimum requirements for the system. Testing and analysis must be in accordance with this evaluation report.
4. "MDP" = Maximum Design Pressure is based on testing for wind load resistance based on allowable wind loads.

Wood Deck - Mechanically Attached Insulation, Bonded Roof Cover								
System No.	Deck	Base Insulation	Top Insulation		Roof Cover			MDP (psf)
		Type	Type	Attachment	Base Sheet	Ply Sheet	Cap Sheet	
1	Min. 19/32" plywood at max. 24"	(Optional) One or more layers, any combination, loose laid	Min. 3/8" SECUROCK Gypsum-Fiber Roof Board	OMG #12 with 0.220" thread diameter and 0.435" head diameter screws or OMG #14 with thread diameter of 0.245" and head diameter of 0.435".screws with OMG 3-inch Galvalume Steel plate with a thickness of 0.018". Or, Trufast DP (#12) with a 0.209" thread diameter and 0.425" head diameter fasteners or Trufast HD (#14) with a 0.235 thread diameter and 0.425" head diameter fasteners with Trufast 3" Metal Insulation Plates with a diameter of 3.23" and a thickness of 0.16".	EasyBase	(Optional) EasyBase	EasyStick Plus™	-52.5
					EasyTorch™ SA Base	(Optional) EasyTorch™ SA Base or EasyTorch™ APP Smooth	EasyTorch™ APP Granular or EasyTorch™ APP Smooth	

Wood Deck - Mechanically Attached Insulation, Bonded Roof Cover								
System No.	Deck	Insulation Layer	Base Sheet			Roof Cover		MDP (psf)
			Type	Fasteners	Attachment	Ply	Cap	
2	Min. 19/32" plywood at max. 24"	Any type, thickness or combination, loose laid followed by min. 3/8" Securock.	Easylay	OMG #12 with 0.220" thread diameter and 0.435" head diameter screws or OMG #14 with thread diameter of 0.245" and head diameter of 0.435".screws with OMG 3-inch Galvalume Steel plate with a thickness of 0.018". Or, Trufast DP (#12) with a 0.209" thread diameter and 0.425" head diameter fasteners or Trufast HD (#14) with a 0.235 thread diameter and 0.425" head diameter fasteners with Trufast 3" Metal Insulation Plates with a diameter of 3.	10" o.c. at 4" laps and 10" o.c. at two, equally spaced, staggered center rows.	EasyBase™	EasyStick Plus™	-52.5
						EasyTorch™ SA Base	EasyTorch™ APP Granular or EasyTorch™ APP Smooth	

Wood Deck - Mechanically Attached Base Sheet, Bonded Roof Cover								
System No.	Deck	Insulation Layer	Type	Base Sheet		Roof Cover		MDP (psf)
				Fasteners	Base Sheet Attachment	Ply	Cap	
3	Min. 19/32" plywood at max. 24"	Any type, thickness or combination, loose laid followed by min. 3/8" Securock.	Easylay	0.131 shank diameter, 0.375 head diameter and minimum 1-1/4" length annular ring shank nails and min. 32-gauge, 1-5/8" diameter tin caps.	7" o.c. at 4" laps and 7" o.c. at three, equally spaced, staggered center rows.	EasyBase™	EasyStick Plus™	-60
						EasyTorch™ SA Base	EasyTorch™ APP Granular or EasyTorch™ APP Smooth	

Wood Deck - Mechanically Attached Base Sheet, Bonded Roof Cover								
System No.	Deck	Insulation Layer	Type	Base Sheet		Roof Cover		MDP (psf)
				Fasteners	Base Sheet Attachment	Ply	Cap	
4	Min. 19/32" plywood at max. 24"	Any type, thickness or combination, loose laid followed by min. 3/8" Securock.	Easylay	OMG #12 with 0.220" thread diameter and 0.435" head diameter screws or OMG #14 with thread diameter of 0.245" and head diameter of 0.435".screws with OMG 3" Galvalume Steel plate with a thickness of 0.018". Or, Trufast DP (#12) with a 0.209" thread diameter and 0.425" head diameter fasteners or Trufast HD (#14) with a 0.235 thread diameter and 0.425" head diameter fasteners with Trufast 3" Metal Insulation Plates with a diameter of 3.23" and a thickness of 0.16".	10" o.c. at 4" laps and 10" o.c. at two, equally spaced, staggered center rows.	EasyBase™	EasyStick Plus™	-60
						EasyTorch™ SA Base	EasyTorch™ APP Granular or EasyTorch™ APP Smooth	

Wood Deck - Bonded Roof Cover									
System No.	Deck	Insulation Layer	Type	Base Sheet			Roof Cover		MDP (psf)
				Fasteners		Base Sheet Attachment	Ply	Cap	
5	Min. 19/32" plywood at max. 24"	Any type, thickness or combination, loose laid followed by min. 3/8" Securock.	Easylay	OMG #12 with 0.220" thread diameter and 0.435" head diameter screws or OMG #14 with thread diameter of 0.245" and head diameter of 0.435".screws with OMG 3" Galvalume Steel plate with a thickness of 0.018". Or, Trufast DP (#12) with a 0.209" thread diameter and 0.425" head diameter fasteners or Trufast HD (#14) with a 0.235 thread diameter and 0.425" head diameter fasteners with Trufast 3" Metal Insulation Plates with a diameter of 3.23" and a thickness of 0.16".		Fully-Adhered Base Sheet	(Optional) Easy Base (Optional) EasyTorch™ SA Base or EasyTorch™ APP Smooth	EasyStick Plus EasyTorch™ APP Granular or EasyTorch™ APP Smooth	-75

Concrete Deck –Bonded Roof Cover					
System No.	Deck	Roof Cover			MDP (psf)
		Base	Base sheet Attachment	Cap	
6	Structural Concrete	Easylay Easy Torch™ APP Smooth	Torch Applied	Easy Torch™ APP Granular or EasyTorch™ APP Smooth	-670

**Table 1A: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (See Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover			MDP (psf)
			Type	Fasteners	Attach	Base Ply	Ply	Ply	
SELF-ADHERING BASE PLY:									
7	Min. 15/32" plywood at max. 24"	(Optional) One or more layers, any combination, loose laid	Min. 3/8-inch SECUROCK Gypsum- Fiber Roof Board	See Note 2	1 per 1 ft ²	EasyTorch SA Base, self-adhering	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-52.5
8	Min. 15/32" plywood at max. 24" spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ACFoam II, EnergyGuard Polyiso, ENRGY 3, H-Shield, ISO 95+ GL or Multi-Max FA3	See Note 2	1 per 1 ft ²	EasyTorch SA Base, self-adhering	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-82.5
TORCH-APPLIED BASE PLY:									
9	Min. 15/32" plywood at max. 24"	(Optional) One or more layers, any combination, loose laid	Min. 3/8-inch SECUROCK Gypsum- Fiber Roof Board	See Note 2	1 per 1 ft ²	EasyTorch APP Smooth, torch- applied	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-52.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer		Base			Roof		MDP (psf)
		Type	Attach	Type	Fasteners	Attach	Base Ply	Cap	
SELF-ADHERING BASE PLY:									
10	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyLay	See Note 2	10" o.c. in the min. 4" lap and 10" o.c. in two, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-60.0
11	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyLay	See Note 2	8" o.c. in the min. 4" lap and 8" o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-135.0
12	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyNailBase	See Note 2	6" o.c. in the min. 4" lap and 6" o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-135.0
TORCH-APPLIED BASE PLY:									
13	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyNailBase	See Note 2	6" o.c. in the min. 4" lap and 6" o.c. in four, equally spaced, staggered center rows	EasyTorch APP Smooth, torch-applied	EasyTorch APP Smooth or Granular, torch-applied	-135.0

TABLE 1C-1: WOOD DECKS – NEW CONSTRUCTION or REROOF (Tear-Off)**SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (nails), BONDED ROOF COVER**

System No.	Deck (See Note 1)	Base			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Base Ply	Cap	
SELF-ADHERING BASE PLY:							
14	Min. 19/32" plywood at max. 24" spans	EasyLay	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	7-inch o.c. in the 4-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch- applied	-60.0
15	Min. 15/32" plywood at max. 24" spans	EasyLay	Simplex MAXX Cap Fastener	8-inch o.c. in the min. 4-inch lap and 8- inch o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch- applied	-82.5
16	Min. 15/32" plywood at max. 24" spans	EasyLay	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	4-inch o.c. in the 4-inch lap and 4-inch o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch- applied	-120.0
17	Min. 15/32" plywood at max. 24" spans	EasyNailBase	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	4-inch o.c. in the 4-inch lap and 4-inch o.c. in five, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch- applied	-120.0
TORCH-APPLIED BASE PLY:							
18	Min. 15/32" plywood at max. 24" spans	EasyNailBase	Simplex MAXX Cap Fastener	9-inch o.c. in the min. 2-inch lap and 18- inch o.c. in two, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-45.0*
19	Min. 15/32" plywood at max. 24" spans	EasyNailBase	Simplex MAXX Cap Fastener	9-inch o.c. in the min. 2-inch lap and 12- inch o.c. in two, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-52.5
20	Min. 15/32" plywood at max. 24" spans	EasyNailBase	Simplex MAXX Cap Fastener	6-inch o.c. in the min. 2-inch lap and 6- inch o.c. in two, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-90.0
21	Min. 15/32" plywood at max. 24" spans	EasyNailBase	Simplex MAXX Cap Fastener	6-inch o.c. in the min. 2-inch lap and 6- inch o.c. in three, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-105.0
22	Min. 15/32" plywood at max. 24" spans	EasyNailBase	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	4-inch o.c. in the 4-inch lap and 4-inch o.c. in five, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch- applied	EasyTorch APP Smooth or Granular, torch- applied	-120.0

TABLE 1C-2: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER							
SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (screws & plates), BONDED							
System No.	Deck (See Note)	Base			Roof		MDP (psf)
		Type	Fasteners	Attach	Base	Cap	
SELF-ADHERING BASE PLY:							
23	Min. 15/32" plywood at max. 24" spans	EasyLay	See Note 2	10-inch o.c. in the min. 4-inch lap and 10-inch o.c. in two, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-60.0
24	Min. 15/32" plywood at max. 24" spans	EasyLay	See Note 2	8-inch o.c. in the min. 4-inch lap and 8-inch o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-135.0
25	Min. 15/32" plywood at max. 24" spans	EasyNailBase	See Note 2	6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	EasyTorch SA Base, self-adhering	EasyTorch APP Smooth or Granular, torch-applied	-135.0
TORCH-APPLIED BASE PLY:							
26	Min. 15/32" plywood at max. 24" spans	EasyNailBase	See Note 2	6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in four, equally spaced, staggered center rows	(Optional) EasyTorch APP Smooth, torch-applied	EasyTorch APP Smooth or Granular, torch-applied	-135.0

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION or REROOF (Tear-Off) SYSTEM TYPE F: BONDED ROOF COVER						
System No.	Deck (See Note 1)		Roof Cover			MDP (psf)
	Type	Joint	Bas	Ply	Cap	
27	Min. 15/32" plywood at max. 24" spans	None	EasyTorch SA Base, self-adhering	(Optional) EasyTorch APP Smooth, torch-applied	EasyTorch APP Smooth or Granular, torch-applied	-75.0
28	Min. 15/32" plywood at max. 24" spans	Plywood joints are covered with 4-inch wide strips of EasyBase, rolled into place to create continuous bond.	EasyTorch SA Base, self-adhering	(Optional) EasyTorch APP Smooth, torch-applied	EasyTorch APP Smooth or Granular, torch-applied	-120.0

TABLE 2A: CONCRETE DECKS - NEW CONSTRUCTION or REROOF(Tear-Off) SYSTEM TYPE F: NON-INSULATED, BONDED						
System No.	Deck (See Note 1)	Primer	Roof			MDP (psf)
			Base Ply	Ply	Cap	
29	Concrete	ASTM D41	EasyTorch APP Smooth, torch applied	(Optional) EasyTorch APP Smooth, torch applied	EasyTorch APP Smooth or Granular, torch- applied	-670.0

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION									
System No.	Deck (See Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover			MDP (psf)
			Type	Fasteners	Attach	Base Ply	Ply	Cap	
30	Min. 15/32" plywood at max. 24" spans	(Optional) One or more layers, any combination, loose laid	Min. 3/8" SECUROCK Gypsum- Fiber Roof Board	See Note 2	1 per 1 ft ²	EasyBase	(Optional) EasyBase	EasyStick Plus	-52.5
31	Min. 15/32" plywood at max. 24" spans	(Optional) One or more layers, any combination, loose laid	Min. 2" ACFoam II, EnergyGuard Polyiso, ENRGY 3, H-Shield, ISO 95+ GL or Multi-Max FA3	See Note 2	1 per 1 ft ²	EasyBase	(Optional) EasyBase	EasyStick Plus	-82.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (See Note 1)	Insulation Layer		Base Sheet			Roof Cover		MDP (psf)
		Type	Attach	Type	Fasteners	Attach	Base Ply	Cap	
32	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyLay	See Note 2	10" o.c. in the min. 4" lap and 10" o.c. in two, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-60.0
33	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyLay	See Note 2	8" o.c. in the min. 4-inch lap and 8" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-135.0
34	Min. 15/32" plywood at max. 24" spans	Any type, thickness or combination	Loose laid	EasyNailBase	See Note 2	6-inch o.c. in the min. 4" lap and 6" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-135.0

TABLE 1C-1: WOOD DECKS – NEW CONSTRUCTION or REROOF (Tear-Off)

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (nails), BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Base Ply	Cap	
35	Min. 19/32" plywood at max. 24" spans	EasyLay	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	7" o.c. in the 4" lap and 7" o.c. in three, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-60.0
36	Min. 15/32" plywood at max. 24" spans	EasyLay	Simplex MAXX Cap Fastener	8" o.c. in the min. 4" lap and 8" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-82.5
37	Min. 15/32" plywood at max. 24" spans	EasyLay	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	4" o.c. in the 4" lap and 4" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-120.0
38	Min. 15/32" plywood at max. 24" spans	EasyNailBase	12 ga. annular ring shank nails and min. 32 ga., 1-5/8" diameter tin-caps. (Ref: FBC 1517.5)	4" o.c. in the 4" lap and 4" o.c. in five, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-120.0

TABLE 1C-2: WOOD DECKS – NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (screws & plates), BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof		MDP (psf)
		Type	Fasteners	Attach	Base Ply	Cap	
39	Min. 15/32" plywood at max. 24" spans	EasyLay	See Note 2	10" o.c. in the min. 4" lap and 10" o.c. in two, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-60.0
40	Min. 15/32" plywood at max. 24" spans	EasyLay	See Note 2	8" o.c. in the min. 4" lap and 8" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-135.0
41	Min. 15/32" plywood at max. 24" spans	EasyNailBase	See Note 2	6" o.c. in the min. 4" lap and 6" o.c. in four, equally spaced, staggered center rows	EasyBase	EasyStick Plus	-135.0

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION or REROOF (Tear-Off) SYSTEM TYPE F: BONDED ROOF COVER

System No.	Deck (See Note 1)		Roof Cover			MDP (psf)
	Type	Joint Treatment	Base Ply	Ply	Cap	
42	Min. 15/32" plywood at max. 24" spans	None	(Optional) EasyBase	(Optional) EasyBase	EasyStick Plus	-75.0
43	Min. 15/32" plywood at max. 24" spans	Plywood joints are covered with 4" wide strips of EasyBase, rolled into place to create continuous bond.	(Optional) EasyBase	(Optional) EasyBase	EasyStick Plus	-120.0

Note: Keep the manufacturer’s installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.