

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

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## PRODUCT EVALUATION

RC-96

Effective April 1, 2010  
Revised January 1, 2011

*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 shall be subject to reevaluation **September 2012**.*

*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.*

### **Polyglass Modified Bitumen Roofing Systems** manufactured by

**Polyglass USA, Inc.**  
**621 Snively Avenue**  
**Winter Haven, FL 33380**  
**(866) 802-8017**

**Polyglass USA, Inc.**  
**555 Oak Ridge Road**  
**Humbolt Industrial Park (SW)**  
**Hazleton, PA 18201**  
**(800) 894-4563**

**Polyglass USA, Inc.**  
**150 Lyon Drive**  
**Fernley, NV 89408**  
**(800) 222-9782**

**Mule-Hide Products, Inc.**  
**1195 Prince Hall Dr.**  
**Beloit, WI 53511**

will be accepted in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

**Polyglass G2 Base** is an asphaltic, fiberglass reinforced base sheet with a sanded top surface.

**Elastobase Poly / Nail Base P** is a modified bitumen, polyester reinforced base sheet that may be used in hot asphalt, cold adhesive, mechanically fastened or self-adhered applications.

**Elastobase / Nail Base** is a modified bitumen coated fiberglass reinforced base sheet.

**Elastoflex SA P / SA-SBS Cap Sheet** is a self-adhering, polyester reinforced modified bitumen membrane with a granule top surface.

**Elastoflex SA P FR / SA-SBS Cap Sheet (FR)** is a self-adhering, polyester reinforced modified bitumen membrane with a granule top surface and fire retardant chemistry.

**Elastoflex SA V (Base) / SA Base Sheet** is a self-adhering, fiberglass reinforced modified bitumen membrane with a smooth top surface.

**Elastoflex SA V FR (Base) / SA Base Sheet (FR)** is a self-adhering, fiberglass reinforced modified bitumen membrane with a smooth top surface and fire retardant chemistry.

**Elastoflex SA V Vent / SA-Vent Base Sheet** is a self-adhering, fiberglass reinforced modified bitumen membrane with a smooth top surface.

**Elastoflex SA V Vent FR / SA-Vent Base (FR)** is a self-adhering, fiberglass reinforced modified bitumen membrane with a smooth top surface and fire retardant chemistry.

**Elastoflex S6** is a torch, hot asphalt or cold adhesive applied polyester reinforced, modified bitumen membrane with a polyethylene or sanded top surface.

**Elastoflex S6 G** is a torch, hot asphalt or cold adhesive applied polyester reinforced, modified bitumen membrane with a granule top surface.

**Elastoflex S6 G FR** is a torch, hot asphalt or cold adhesive applied polyester reinforced, modified bitumen membrane with a granule top surface and fire retardant chemistry.

**Elastoflex V** is a torch, hot asphalt or cold adhesive applied fiberglass reinforced, modified bitumen membrane with a sanded top surface.

**Elastoflex VG** is a torch, hot asphalt or cold adhesive applied fiberglass reinforced, modified bitumen membrane with a granule top surface.

**Elastoflex VG FR** is a torch, hot asphalt or cold adhesive applied fiberglass reinforced, modified bitumen membrane with a granule top surface and fire retardant chemistry.

**Elastoshield TS-G** is a torch, hot asphalt or cold adhesive applied polyester reinforced, modified bitumen membrane with a granule top surface.

**Elastoshield TS-G FR** is a torch, hot asphalt or cold adhesive applied polyester reinforced, modified bitumen membrane with a granule top surface and fire retardant chemistry.

**Modibase** is a modified bitumen, fiberglass reinforced base sheet.

**Polybianco** is a self-adhered, polyester reinforced, modified bitumen membrane with a reflective white film laminate on the top surface.

**Polybond** is a torch applied polyester reinforced, modified bitumen membrane with a smooth or sanded top surface.

**Polybond G** is a torch applied polyester reinforced, modified bitumen membrane with a granule top surface.

**Polyflex** is a torch applied polyester reinforced, modified bitumen membrane with a smooth or sanded top surface.

**Polyflex G** is a torch applied polyester reinforced, modified bitumen membrane with a granule top surface.

**Polyflex G FR** is a torch applied polyester reinforced, modified bitumen membrane with a granule top surface and fire retardant chemistry.

**Polyflex SA P / SA-APP Cap Sheet (G)** is an elastomeric, polyester reinforced membrane consisting of an APP compound on the top layer and a self-adhesive compound on the bottom layer.

**Polyflex SA P FR / SA-APP Cap Sheet (G) (FR)** is an elastomeric, polyester reinforced membrane consisting of an APP compound on the top layer, a self-adhesive compound on the bottom layer and fire retardant chemistry.

**Polyfresko APP SAP / SA-APP KoolCap** is a self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face, and a reflective white granule top surface

**Polyfresko APP SAP FR / SA-APP KoolCap (FR)** is a self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face, a reflective white granule top surface and fire retardant chemistry.

**Polyfresko SBS SAP / SA-SBS KoolCap** is a self-adhered, polyester reinforced, SBS modified bitumen membrane with a self-adhering back face, and a reflective white granule top surface.

**Polyfresko SBS SAP FR / SA-SBS KoolCap (FR)** is a self-adhered, polyester reinforced, SBS modified bitumen membrane with a self-adhering back face, a reflective white granule top surface and fire retardant chemistry.

**Polyfresko MOP** is a hot asphalt applied SBS modified bitumen membrane with reflective white granules on the top surface.

**Polyfresko MOP FR** is a hot asphalt applied SBS modified bitumen membrane with reflective white granules on the top surface and fire retardant chemistry.

**Polyfresko Torch** is a torch applied APP modified bitumen membrane with reflective white granules on the top surface.

**Polyfresko Torch FR** is a torch applied APP modified bitumen membrane with reflective white granules on the top surface and fire retardant chemistry.

**Polykool / SA-APP PF KoolCap** is a self-adhered, polyester reinforced, modified bitumen membrane with a reflective white film laminate on the top surface.

**Xtraflex** is a torch applied polyester reinforced, TPO modified bitumen membrane with a smooth top surface.

**Xtraflex G** is a torch applied polyester reinforced, TPO modified bitumen membrane with a granule top surface.

**Xtraflex G FR** is a torch applied polyester reinforced, TPO modified bitumen membrane with a granule top surface and fire retardant chemistry.

#### **Mule-Hide Products Co., Inc Products**

**SA Base Sheet** is a self-adhered, fiberglass reinforced, SBS modified bitumen base/ply sheet with a self-adhering back face and a smooth top surface.

**SA Base Sheet FR** is a self-adhered, fiberglass reinforced, SBS modified bitumen base/ply sheet with a self-adhering back face, a smooth top surface, and fire retardant chemistry.

**Nail Base** is a SBS modified bitumen, fiberglass reinforced base sheet with a sand finish on the bottom surface and a polyolefin film top surface.

**SA-SBS Cap Sheet** is a self-adhered, polyester reinforced, SBS modified bitumen membrane with a self-adhering back face and a granule top surface.

**SA-SBS Cap Sheet FR** is a self-adhered, polyester reinforced, SBS modified bitumen membrane with a self-adhering back face and a granule top surface, and fire retardant chemistry.

**SA-APP Cap Sheet Smooth** is a self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a smooth top surface.

**SA-APP Cap Sheet** is a self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a granule top surface

**SA-APP Cap Sheet FR** is a self-adhered, polyester reinforced, modified bitumen membrane with a self-adhering back face, a granule top surface, and fire retardant chemistry.

### **LIMITATIONS and INSTALLATION**

**General installation Requirements:**

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

**For All Applications:** Roof decks, in which this product is to be installed upon, shall be provided with positive drainage. A minimum roof slope after construction of  $\frac{1}{4}$  inch per foot is recommended.

Prime decks were required, in accordance with requirements and recommendations of the primer & deck manufacturer (if applicable). For re-roofing and re-cover applications, existing roof surfaces shall be primed as necessary with Polyglass 100A asphalt primer or an asphalt primer meeting ASTM D-41 specification and allow to dry prior to installing the Polyglass roofing system.

Polyglass recommends when applying the self-adhered membranes to new wood decking, that the wood be clean and dry. Application of ASTM D-41 asphalt primer is not required. When applying the self-adhered membrane in a re-cover or re-roofing application, cleaning and priming of the wood decking is required.

**Please note that Polyglass does not permit direct application to a wood deck, when said deck is covering an inhabitable environment, i.e. living space. Habitable environments present ventilation issues; as such, Polyglass requires the application of a mechanically attached base sheet or recover board, before applying self-adhered membranes. Refer to Polyglass application guidelines as published in the Polyglass Technical Guide, available from Polyglass USA, Inc.**

**The following notes apply to the systems outlined herein:**

1. Roof decks shall be in accordance with the requirements of the International Residential Code (IRC) and International Building Code (IBC) along with applicable Texas Revisions adopted by the Texas Department of Insurance.
2. Roof framing members shall be spaced a maximum of 24" o.c.
3. Insulation / base sheet fasteners shall be of sufficient length for the following deck engagement:
  - Wood: Minimum ¾-inch penetration.
4. Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
  - Hot asphalt at 20-40 lbs/square.
  - Dow Insta-Stik Roofing Adhesive is continuous ¾ to 1-inch wide beads, 12-inch o.c.
  - Millennium One Step Foamable Adhesive in continuous ½ to ¾-inch wide beads, 12-inch o.c.
  - OlyBond 500 Adhesive Fastener in continuous ¾ to 1-inch wide ribbons, 12-inch o.c. using OMG PaceCart or SpotShot dispensing system. Note: OlyBond 500 Green may be used in any system listing OlyBond 500.
  - TITASET Insulation Adhesive in continuous 2½-3½-inch wide ribbons, 12-inch o.c.
5. Unless otherwise noted, the insulation may be any polyisocyanurate, polystyrene, fiberboard, perlite and/or gypsum-based insulation board that meet the requirements of the International Residential Code (IRC) and International Building Code (IBC) along with applicable Texas Revisions adopted by the Texas Department of Insurance.
6. Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
7. Unless otherwise noted, all base sheets specified in this report are metric.
8. Unless otherwise noted, all insulation references are flat stock. Tapered polyisocyanurate may be substituted for flat stock board with the following Maximum Design Pressure (MDP) limitations:
  - Insta-Stik Roofing Adhesive: MDP -120.0 psf
  - OlyBond 500 Adhesive Fastener: MDP -90.0 psf
  - TITASET Insulation Adhesive: MDP -117.5 psf

9. Unless otherwise noted, refer to the following references for bonded base, ply or cap sheet applications.

<b>Table 1: Polyglass Roof Covers</b>			
<b>Reference</b>	<b>Layer</b>	<b>Material</b>	<b>Application</b>
BP-AA (Base and Ply sheets, Asphalt-Applied)	Base	Polyglass G2 Base, Modibase	Hot asphalt at 20-40 lbs/square
	Ply	ASTM D2178, Type IV or VI	
SBS-AA (SBS, Asphalt-Applied)	Base or Ply	Elastobase, Elastobase Poly, Elastoflex V, Elastoflex S6, Nail Base, Nail Base P	Hot asphalt at 20-40 lbs/square
	Cap	Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS-G, Elastoshield TS-G FR, Polyfresko MOP, Polyfresko MOP FR	
SBS-TA (SBS, Torch-Applied)	Base or Ply	Elastoflex V, Elastoflex S6	Torch-Applied
	Cap	Elastoflex V, Elastoflex VG, Elastoflex VG FR, Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS-G, Elastoshield TS-G FR, Polyfresko MOP, Polyfresko MOP FR	
SBS-SA (SBS, Self-Adhering)	Base	Elastoflex SA V, Elastoflex SA V FR, Elastoflex SA V Vent, Elastoflex SA V Vent FR, SA Base Sheet, SA Base Sheet FR, SA-Base Sheet	Self-Adhering
	Cap	Elastoflex SA P, Elastoflex SA P FR, Polyfresko SBS SAP, Polyfresko SBS SAP FR, SA-SBS Cap Sheet, SA-SBS Cap Sheet FR, SA-SBS Cap Sheet, SA-SBS Cap Sheet FR, SA-SBS KoolCap, SA-SBS KoolCap FR	
APP-TA (APP, Torch-Applied)	Base or Ply	Polyflex, Polybond	Torch-Applied
	Cap	Polyflex, Polyflex G, Polyflex G FR, Polybond, Polybond G, Polyfresko Torch, Polyfresko Torch FR	
APP-SA (APP, Self-Adhering)	Cap	Polyflex SA P, Polyflex SA P FR, Polyfresko APP SAP, Polyfresko APP SAP FR, Polykool, Polybianco, SA-APP Cap Sheet Smooth, SA-APP Cap Sheet, SA-APP Cap Sheet FR, SA-APP Cap Sheet, SA-APP Cap Sheet FR, SA-APP KoolCap, SA-APP KoolCap FR, SA-APP PF	Self-Adhering
TPO-TA (TPO, Torch-Applied)	Base	Xtraflex	Torch-Applied
	Cap	Xtraflex, Xtraflex G, Xtraflex G FR	

10. Any of the following coatings may be applied to the top roof membrane. The coatings shall be applied in accordance with the manufacturer's installation instructions.

- PG200 Non Fibered Roof Coating or Mule-Hide 111 Non-Fibrated Roof Coating;
- PG300 Fibered Roof Coating or Mule-Hide 102 Fibrated Roof Coating;
- PG600 Non-Fibered Aluminum Roof Coating or Mule-Hide 416 Standard Non-Fibrated Aluminum Roof Coating;
- PG650 Fibered Aluminum Roof Coating or Mule-Hide 406 Standard Fibrated Aluminum Roof Coating;
- PG700 White Reflective Roof Coating;
- PG800 Non-Fibered Asphalt Emulsion Roof Coating or Mule-Hide 311 Emulsion Non-Fibrated;
- PG850 Fibered Asphalt Emulsion Roof Coating or Mule-Hide 301 Emulsion Fibrated;
- Polyplus 60 Premium Non-Fibered Aluminum Roof Coating or Mule-Hide 410 Premium Non-Fibrated Aluminum Roof Coating;
- Polyplus 65 Premium Fibered Aluminum Roof Coating or Mule-Hide 401 Premium Fibrated Aluminum Roof Coating; or
- Polybrite 70 White Elastomeric Roof Coating.

TABLE 1A: WOOD DECKS - WIND UPLIFT PERFORMANCE								
BONDED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Anchor Sheet		Insulation		Roof Cover		
		Type	Attach	Base	Top	Base	Ply	Cap
1	Min. 19/32" plywood	None	N/A	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG or Multi-Max FA3 in Tite-Set or Fastac Insulation Adhesive	(Optional) Additional layer(s) or base insulation in Tite-Set or Fastac Insulation Adhesive	SBS-SA	(Optional) SBS-SA, SBS-AA, SBS-TA, APP-TA, or BP-AA	SBS-SA, SBS-AA, SBS-TA, APP-SA, APP-TA, or TPO-TA
<b>Design Pressure (psf)</b>		<b>Attachment</b>						
0 < P ≤ 52.5		TITSESET or Fastac Adhesive in rows 12" o.c.						

TABLE 2A: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Anchor Sheet		Insulation		Roof Cover		
		Type	Attach	Base	Top	Base	Ply	Cap
2	Min. 19/32" plywood	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) ASTM C1289, type II polyisocyanurate in hot asphalt	Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber in hot asphalt	BP-AA, SBS-AA or SBS-SA	(Optional) One or more BP-AA, SBS-AA, SBS-SA, BP-AA or SBS-AA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Anchor Sheet Attachment</b>						
0 < P ≤ 52.5		8-inch o.c. at 4-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows.						
52.5 < P ≤ 60.0		6-inch o.c. at 4-inch laps and 7-inch o.c. at three, equally spaced, staggered center rows.						
60.0 < P ≤ 70.0		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.						
70.0 < P ≤ 80.0		6-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.						
80.0 < P ≤ 90.0		5-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.						
90.0 < P ≤ 100.0		5-inch o.c. at 4-inch laps and 6-inch o.c. at five, equally spaced, staggered center rows.						
100.0 < P ≤ 110.0		5-inch o.c. at 4-inch laps and 5-inch o.c. at five, equally spaced, staggered center rows.						
110.0 < P ≤ 120.0		4-inch o.c. at 4-inch laps and 5-inch o.c. at five, equally spaced, staggered center rows.						

TABLE 2C: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Anchor Sheet		Insulation		Roof Cover		
		Type	Attach	Base	Top	Base	Ply	Cap
3	Min. 19/32" plywood	Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) ASTM C1289, type II polyisocyanurate in hot asphalt	Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber in hot asphalt	BP-AA, SBS-AA or SBS-SA	(Optional) One or more BP-AA, SBS-AA, SBS-SA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Anchor Sheet Attachment</b>						
0 < P < 60		8-inch o.c. at 4-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows.						
60 < P < 70		7-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.						
70 < P < 80		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.						
80 < P < 90		7-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.						
90 < P < 100		6-inch o.c. at 4-inch laps and 7-inch o.c. at five, equally spaced, staggered center rows.						
100 < P < 110		6-inch o.c. at 4-inch laps and 6-inch o.c. at five, equally spaced, staggered center rows.						
110 < P < 120		5-inch o.c. at 4-inch laps and 6-inch o.c. at five, equally spaced, staggered center rows.						

TABLE 2D: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Anchor Sheet		Insulation		Roof Cover		
		Type	Attach	Base	Top	Base	Ply	Cap
4	Min. 19/32" plywood	Elastobase or Elastobase Poly	32 ga., 1-5/8" diameter tin caps with 12 ga. annular ring shank nails	Min. 2" ACFoam II, III, H-Shield, H-Shield CG, Multi-Max FA3 or ENRGY-3 in Insta-Stick, OlyBond 500, TITESET or WT One Step Foamable, 12" o.c.	Min. ¼" DensDeck, DensDeck Prime, Securock in Insta-Stick, OlyBond 500, TITESET or WT One Step Foamable, 12" o.c.	BP-AA, SBS-AA or SBS-SA	(Optional) One or more BP-AA, SBS-AA, SBS-SA, SBS-TA or APP-TA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
5	Min. 19/32" plywood	Elastobase or Elastobase Poly	OMG Flat Bottom Plates (square) with Roofgrip #12	(Optional) ASTM C1289, type II polyisocyanurate in hot asphalt	Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber in hot asphalt	BP-AA, SBS-AA or SBS-SA	(Optional) One or more BP-AA, SBS-AA or SBS-SA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA, APP-SA
<b>Design Pressure (psf)</b>		<b>Anchor Sheet Attachment</b>						
0 < P ≤ 60		6-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.						

TABLE 2E: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Anchor Sheet		Insulation		Roof Cover		
		Type	Attach	Base	Top	Base	Ply	Cap
6	Min. 19/32" plywood	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	OMG Flat Bottom Plates (square) with Roofgrip #14, Dekfast Hex with Dekfast #14 or TruFast MP-3 with TruFast HD	(Optional) ASTM C1289, type II polyiso-cyanurate in hot asphalt	Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber in hot asphalt	BP-AA, SBS-AA or SBS-SA	(Optional) One or more BP-AA, SBS-AA or SBS-SA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Anchor Sheet Attachment</b>						
0 < P ≤ 52.5		12-inch o.c. at 4-inch laps and 12-inch o.c. at two, equally spaced, staggered center rows.						
52.5 < P ≤ 60.0		10-inch o.c. at 4-inch laps and 10-inch o.c. at two, equally spaced, staggered center rows.						
60.0 < P ≤ 70.0		10-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.						
70.0 < P ≤ 80.0		9-inch o.c. at 4-inch laps and 11-inch o.c. at three, equally spaced, staggered center rows.						
80.0 < P ≤ 90.0		8-inch o.c. at 4-inch laps and 9-inch o.c. at three, equally spaced, staggered center rows.						
90.0 < P ≤ 100.0		6-inch o.c. at 4-inch laps and 12-inch o.c. at four, equally spaced, staggered center rows.						
100.0 < P ≤ 110.0		8-inch o.c. at 4-inch laps and 10-inch o.c. at four, equally spaced, staggered center rows.						
110.0 < P ≤ 120.0		8-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.						
120.0 < P ≤ 130.0		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.						

TABLE 3A: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover		
		Type	Attach	Type	Attach	Base Sheet	Ply Sheet	Cap Sheet
7	Min. 19/32" plywood	Min. 1.5" ENRGY 3, H-Shield or Polytherm	Dekfast Hex with Dekfast #12 or TruFast MP-3 with TruFast DP	Min. 3/4" FescoBoard or min. 1/2" HD Wood Fiber	Hot asphalt	(Optional if using AA Ply) BP-AA, SBS-AA	(Optional if using AA Base) One or more BP-AA, SBS-AA, SBS-TA, APP-TA, or TPO-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
Design Pressure (psf)		Insulation Attachment						
		Density (ft2 / fastener)		Parts per 4 x 4 ft board		Parts per 4 x 8 ft board		
0 < P ≤ 52.5		1.33		12		24		
52.5 < P ≤ 60.0		1.1		14		28		
60 < P ≤ 70.0		1		16		32		
70.0 < P < 80		0.9		19		38		
80.0 < P < 90		0.8		21		42		

TABLE 3B: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover		
		Type	Attach	Type	Attach	Base Sheet	Ply Sheet	Cap Sheet
8	Min. 19/32" plywood	Min. 1.5" ENRGY 3, H-Shield or Polytherm	Dekfast Hex with Dekfast #12 or TruFast MP-3 with TruFast DP	Min. 3/4" FescoBoard or min. 1/2" HD Wood Fiber	Hot asphalt	(Optional if using AA Ply) BP-AA, SBS-AA	(Optional if using AA Base) One or more BP-AA, SBS-AA, SBS-TA or APP-TA, or TPO-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
Design Pressure (psf)		Insulation Attachment						
		Density (ft2 / fastener)		Parts per 4 x 4 ft board		Parts per 4 x 8 ft board		
0 < P ≤ 60		1.33		12		24		
60 < P ≤ 70		1.1		14		28		
70 < P ≤ 80		1.0		16		32		
80 < P ≤ 90		.9		18		36		

TABLE 4A: WOOD DECKS - WIND UPLIFT PERFORMANCE MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover		
		Type	Attach	Type	Attach	Base Sheet	Ply Sheet	Cap Sheet
9	Min. 19/32" plywood	(Optional) One or more layers, any combination	loose laid	Min. ½" Structodek HD Wood Fiberboard or min. ¼" DensDeck, DensDeck Prime or Securock	Dekfast Galvalume Steel Hex with Dekfast #12 DP	(Optional if using AA Ply) BP-AA, SBS-AA, SBS-SA	(Optional if using AA Base) One or more SBS-SA, BP-AA, SBS-AA, SBS-TA, APP-TA or TPO-TA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA
Design Pressure (psf)		Insulation Attachment						
		Density (ft <sup>2</sup> / fastener)		Parts per 4 x 4 ft board		Parts per 4 x 8 ft board		
0 < P ≤ 52.5		1.33		12		24		
52.5 < P ≤ 60.0		1.1		14		28		
60.0 < P ≤ 70.0		1.0		16		32		
70.0 < P ≤ 80.0		.9		19		37		
80.0 < P ≤ 90.0		.8		21		42		

TABLE 4B: WOOD DECKS - WIND UPLIFT PERFORMANCE MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover		
		Type	Attach	Type	Attach	Base Sheet	Ply Sheet	Cap Sheet
10	Min. 19/32" plywood	(Optional) One or more layers, any combination	loose laid	Min. ½" Structodek HD Wood Fiberboard or min. ¼" DensDeck, DensDeck Prime or Securock	Dekfast Galvalume Steel Hex with Dekfast #12 DP	(Optional if using AA Ply) BP-AA, SBS-AA, SBS-SA	(Optional if using AA Base) One or more SBS-SA, BP-AA, SBS-AA, SBS-TA, APP-TA, or TPO-TA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA
Design Pressure (psf)		Insulation Attachment						
		Density (ft <sup>2</sup> / fastener)		Parts per 4 x 4 ft board		Parts per 4 x 8 ft board		
0 < P ≤ 67.5		1.33		12		24		
67.5 < P ≤ 80.0		1.1		14		28		
80 < P ≤ 90		1		16		32		
90 < P < 100		0.9		18		36		
100 < P < 110		0.8		20		40		

TABLE 4C: WOOD DECKS - WIND UPLIFT PERFORMANCE								
MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
Assembly No.	Substrate	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover		
		Type	Attach	Type	Attach	Base Sheet	Ply Sheet	Cap Sheet
11	Min. 19/32" plywood	(Optional) One or more layers, any combination	loose laid	Min 1.5" ENRGY 3, H-Shield, or Polytherm,	Dekfast Galvalume Steel Hex with Dekfast #12 DP or TruFast MP-3 with TruFast DP	SBS-SA	(Optional) One or more BP-AA, SBS-AA, SBS-TA, APP-TA, TPO-TA or SBS-SA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
12	Min. 19/32" plywood	(Optional) One or more layers, any combination	loose laid	Min. 1/2" Structodek HD Wood Fiberboard or min. 1/4" DensDeck, DensDeck Prime or Securock	Dekfast Galvalume Steel Hex with Dekfast #12 DP	(Optional if using AA Ply) BP-AA, SBS-AA	(Optional if using AA Base) One or more BP-AA, SBS-AA, SBS-TA, APP-TA, TPO-TA or SBS-SA	SBS-AA, SBS-TA, APP-TA, TPO-TA, SBS-SA or APP-SA
Design Pressure (psf)		Insulation Attachment						
		Density (ft2 / fastener)		Parts per 4 x 4 ft board		Parts per 4 x 8 ft board		
0 < P < 82.5		1.33		12		24		
82.5 < P < 90		1.2		14		28		
90 < P < 100		1.1		15		30		
100 < P < 110		1.0		16		32		
110 < P < 120		0.9		18		36		
120 < P < 130		0.8		19		38		

**TABLE 5A: WIND UPLIFT PERFORMANCE**  
**PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

Assembly No.	Substrate	Insulation Layer(s)		Base Sheet		Roof Cover	
		Base Layer	Top Layer	Type	Fasteners	Ply	Cap
13	Min. 19/32" plywood	One or more layers, any combination	(Optional) Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber	Elastobase, Elastobase Poly Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	OMG Flat Bottom Plates (square) with Roofgrip #14, Dekfast Hex with Dekfast #14 or TruFast MP-3 with TruFast HD	(Optional) One or more BP-AA, SBS-AA, SBS-TA, APP-TA or TPO-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
14	Min. 19/32" plywood	One or more layers, any combination	(Optional) Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber	Elastobase, Elastobase Poly (with optional poly top surface)	OMG Flat Bottom Plates (square) with Roofgrip #14	(Optional) One or more SBS-SA	SBS-SA, APP-SA SBS-AA, SBS-TA, APP-TA or TPO-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>					
0 < P < 52.5		12-inch o.c. at 4-inch laps and 12-inch o.c. at two, equally spaced, staggered center rows.					
52.5 < P < 60.0		9-inch o.c. at 4-inch laps and 11-inch o.c. at two, equally spaced, staggered center rows.					
60.0 < P < 70.0		10-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.					
70.0 < P < 80.0		9-inch o.c. at 4-inch laps and 11-inch o.c. at three, equally spaced, staggered center rows.					
80.0 < P < 90.0		8-inch o.c. at 4-inch laps and 9-inch o.c. at three, equally spaced, staggered center rows.					
90.0 < P < 100.0		8-inch o.c. at 4-inch laps and 11-inch o.c. at four, equally spaced, staggered center rows.					
100.0 < P < 110.0		8-inch o.c. at 4-inch laps and 10-inch o.c. at four, equally spaced, staggered center rows.					
110.0 < P < 120.0		6-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.					
120.0 < P < 130.0		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.					

TABLE 5B: WIND UPLIFT PERFORMANCE							
PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
Assembly No.	Substrate	Insulation Layer(s)		Base Sheet		Roof Cover	
		Base Layer	Top Layer	Type	Fasteners	Ply	Cap
15	Min. 19/32" plywood	One or more layers, any combination	(Optional) Min. ¼" DensDeck, DensDeck Prime, Securock, Min. ¾" FescoBoard or min. ½" HD Wood Fiber	Elastobase or Elastobase Poly with poly top surface	OMG Flat Bottom Plates (square) with Roofgrip #12	(Optional) One or more SBS-SA, BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>					
0 < P < 60		12-inch o.c. at 4-inch laps and 12-inch o.c. at two, equally spaced, staggered center rows.					
60 < P < 70		12-inch o.c. at 4-inch laps and 14-inch o.c. at three, equally spaced, staggered center rows.					
70 < P < 80		10-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.					
80 < P < 90		8-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.					
90 < P < 100		12-inch o.c. at 4-inch laps and 12-inch o.c. at four, equally spaced, staggered center rows.					
100 < P < 110		10-inch o.c. at 4-inch laps and 11-inch o.c. at four, equally spaced, staggered center rows.					
110 < P < 120		8-inch o.c. at 4-inch laps and 10-inch o.c. at four, equally spaced, staggered center rows.					

TABLE 6A: WOOD DECKS - WIND UPLIFT PERFORMANCE					
NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
16	Min. 15/32" OSB	(Optional) ASTM D 4601, type II base sheet loose laid followed by Elastobase, Elastobase Poly	11 ga. ring shank cap nails with a min. 1" dia. round cap	(Optional) SBS-SA	SBS-SA, APP-SA, SBS-TA or APP-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 30.0		6-inch o.c. at 3-inch laps and 6-inch o.c. at two, equally spaced, staggered center rows.			
30.0 < P ≤ 40.0		6-inch o.c. at 3-inch laps and 6-inch o.c. at three, equally spaced, staggered center rows.			

TABLE 6B: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
17	Min. 15/32" Plywood	Optional ASTM D 4601, type II base sheet loose laid followed by Elastobase, Elastobase Poly	11 ga. ring shank cap nails with a min. 1" dia. round cap	(Optional) SBS-SA	SBS-SA, APP-SA, SBS-TA or APP-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 37.5		6-inch o.c. at 3-inch laps and 6-inch o.c. at two, equally spaced, staggered center rows.			
37.5 < P < 40		6-inch o.c. at 3-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows.			
40.0 < P < 50.0		6-inch o.c. at 3-inch laps and 6-inch o.c. at three, equally spaced, staggered center rows.			

TABLE 6C: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
18	Min. 19/32" plywood	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
19	Min. 19/32" plywood	Elastobase, Elastobase Poly	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) One or more SBS-SA	SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 52.5		8-inch o.c. at 4-inch laps and 8-inch o.c. at two, equally spaced, staggered center rows.			
52.5 < P ≤ 60.0		6-inch o.c. at 4-inch laps and 7-inch o.c. at two, equally spaced, staggered center rows.			
60.0 < P ≤ 70.0		8-inch o.c. at 4-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows.			
70.0 < P ≤ 80.0		6-inch o.c. at 4-inch laps and 7-inch o.c. at three, equally spaced, staggered center rows.			
80.0 < P ≤ 90.0		6-inch o.c. at 4-inch laps and 6-inch o.c. at three, equally spaced, staggered center rows.			
90.0 < P ≤ 100.0		6-inch o.c. at 4-inch laps and 7-inch o.c. at four, equally spaced, staggered center rows.			
100.0 < P ≤ 110.0		6-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.			
110.0 < P ≤ 120.0		5-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.			

TABLE 6D: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
20	Min. 19/32" plywood	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFGLAS #75	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
21	Min. 19/32" plywood	Elastobase, Elastobase Poly,	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	(Optional) One or more SBS-SA, BP-AA or SBS-AA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA,
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P < 60		8-inch o.c. at 4-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows.			
60 < P < 70		7-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.			
70 < P < 80		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.			
80 < P < 90		7-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.			
90 < P < 100		6-inch o.c. at 4-inch laps and 7-inch o.c. at five, equally spaced, staggered center rows.			
100 < P < 110		6-inch o.c. at 4-inch laps and 6-inch o.c. at five, equally spaced, staggered center rows.			
110 < P < 120		5-inch o.c. at 4-inch laps and 6-inch o.c. at five, equally spaced, staggered center rows.			

TABLE 6E: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
22	Min. 19/32" plywood	Elastobase or Elastobase Poly	32 ga., 1-5/8" diameter tin caps with 12 ga. annular ring shank nails Tin caps primed with PG100 or ASTM D41 primer	(Optional) One or more SBS-SA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA,
23	Min. 19/32" plywood	Elastobase, Elastobase Poly,	32 ga., 1-5/8" diameter tin caps with 12 ga. annular ring shank nails Tin caps primed with PG100 or ASTM D41 primer	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 112.5		6-inch o.c. at 4-inch laps and 6-inch o.c. at four, equally spaced, staggered center rows.			

TABLE 6F: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
24	Min. 19/32" plywood	Elastobase or Elastobase Poly	OMG #12 Standard Roofgrip fasteners with OMG Flat Bottom Plates or Standard Metal Plates, Dekfast #12 with Dekfast Hex Plates, or Tru-Fast DP with MP-3 Plates	(Optional) One or more SBS-SA or APP-SA	SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 52.5		6-inch o.c. at 4-inch laps and 6-inch o.c. at two, equally spaced, staggered center rows.			

TABLE 6G: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
25	Min. 19/32" plywood	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed Glasbase, Firestone MB Base, JM Perma-Ply 28, Tamko Glass Base or GAFLAS #75	OMG Flat Bottom Plates (square) with Roofgrip #14, Dekfast Hex with Dekfast #14 or TruFast MP-3 with TruFast HD	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
26	Min. 19/32" plywood	Elastobase, Elastobase Poly	OMG Flat Bottom Plates (square) with Roofgrip #14, Dekfast Hex with Dekfast #14 or TruFast MP-3 with TruFast HD	(Optional) One or more SBS-SA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P < 52.5		12-inch o.c. at 4-inch laps and 12-inch o.c. at two, equally spaced, staggered center rows.			
52.5 < P < 60		9-inch o.c. at 4-inch laps and 11-inch o.c. at two, equally spaced, staggered center rows.			
60 < P < 70		10-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.			
70 < P < 80		9-inch o.c. at 4-inch laps and 11-inch o.c. at three, equally spaced, staggered center rows.			
80 < P < 90		8-inch o.c. at 4-inch laps and 9-inch o.c. at three, equally spaced, staggered center rows.			
90 < P < 100		8-inch o.c. at 4-inch laps and 11-inch o.c. at four, equally spaced, staggered center rows.			
100 < P < 110		8-inch o.c. at 4-inch laps and 10-inch o.c. at four, equally spaced, staggered center rows.			
110 < P < 120		6-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.			
120 < P < 130		6-inch o.c. at 4-inch laps and 8-inch o.c. at four, equally spaced, staggered center rows.			

TABLE 6H: WOOD DECKS - WIND UPLIFT PERFORMANCE					
NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
27	Min. 19/32" plywood	Elastobase or Elastobase Poly	OMG Flat Bottom Plates (square) with Roofgrip #12	(Optional) One or more BP-AA, SBS-AA, SBS-TA, APP-TA or TPO-TA	SBS-AA, SBS-TA, APP-TA or TPO-TA
28	Min. 19/32" plywood	Elastobase or Elastobase Poly	OMG Flat Bottom Plates (square) with Roofgrip #12	(Optional) One or more BP-AA, SBS-AA, SBS-TA, APP-TA, TPO-TA or SBS-SA	SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA or TPO-TA,
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P < 60		12-inch o.c. at 4-inch laps and 12-inch o.c. at two, equally spaced, staggered center rows.			
60 < P < 70		12-inch o.c. at 4-inch laps and 14-inch o.c. at three, equally spaced, staggered center rows.			
70 < P < 80		12-inch o.c. at 4-inch laps and 12-inch o.c. at three, equally spaced, staggered center rows.			
80 < P < 90		10-inch o.c. at 4-inch laps and 10-inch o.c. at three, equally spaced, staggered center rows.			
90 < P < 100		10-inch o.c. at 4-inch laps and 12-inch o.c. at four, equally spaced, staggered center rows.			
100 < P < 110		9-inch o.c. at 4-inch laps and 11-inch o.c. at four, equally spaced, staggered center rows.			
110 < P < 120		8-inch o.c. at 4-inch laps and 10-inch o.c. at four, equally spaced, staggered center rows.			
120 < P < 130		8-inch o.c. at 4-inch laps and 9-inch o.c. at four, equally spaced, staggered center rows.			

TABLE 6J: WOOD DECKS - WIND UPLIFT PERFORMANCE					
NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER					
Assembly No.	Substrate	Base Sheet		Roof Cover	
		Type	Fasteners	Ply	Cap
30	Min. 19/32" plywood	Elastobase or Elastobase Poly	12 ga. ring shank nails and tin caps	(Optional) SBS-SA	SBS-SA or APP-SA
<b>Design Pressure (psf)</b>		<b>Base Sheet Attachment</b>			
0 < P ≤ 112.5		4-inch o.c. at 4-inch laps and 4-inch o.c. at four, equally spaced, staggered center rows			

TABLE 7A: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, BONDED ROOF COVER			
Assembly No.	Roof Cover		
	Base	Ply	Cap
31	SBS-SA	(Optional) SBS-SA	SBS-SA or APP-SA
Design Pressure (psf)	Substrate		Primer
0 < P < 90	Min. 19/32" plywood		(Optional) PG100 Asphalt Primer

TABLE 7B: WOOD DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, BONDED ROOF COVER			
Assembly No.	Roof Cover		
	Base	Ply	Cap
32	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA or APP-TA
Design Pressure (psf)	Substrate		Primer
0 < P ≤ 45	Min. 1/2" plywood		None
45 < P ≤ 67.5	Min. 1/2" plywood		Approved asphalt primer

TABLE 8A: CONCRETE DECKS - WIND UPLIFT PERFORMANCE NON-INSULATED, BONDED ROOF COVER			
Assembly No.	Roof Cover		
	Base	Ply	Cap
33	SBS-SA	None	SBS-SA, APP-SA or APP-TA
Design Pressure (psf)	Substrate		Primer
0 < P ≤ 315	Min. 2500 psi Structural Concrete or Concrete Plank		Approved asphalt primer