

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

# **Product Evaluation**

RC440 | 0822

**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-440 **Effective Date:** August 1, 2022

**Re-evaluation Date:** April 2025

Product Name: Polyglass XtraFlex Modified Bitumen Roofing Systems Installed Over Wood and

Concrete Roof Decks

Manufacturer: Polyglass USA, Inc.

1111 W. Newport Center Drive Deerfield Beach, FL 33442

(954) 233-1230

### **General Description:**

- **XtraFlex G2 Base** is an asphaltic, fiberglass reinforced base sheet with a sanded top surface.
- XtraFlex SBS Glass Base is a modified bitumen coated fiberglass reinforced base sheet.
- **Xtraflex SBS HT Base 650** is a modified bitumen coated fiberglass reinforced base sheet.
- XtraFlexPly IV is a modified bitumen coated heavyweight fiberglass reinforced ply sheet.
- **XtraFlex Ply VI** is a modified bitumen coated heavyweight fiberglass reinforced ply sheet.
- **XtraFlex APP Glass Base** is a torch applied, fiberglass reinforced, APP modified bitumen membrane with poly-film top and bottom surfaces.
- **Xtraflex SBS Base SA** is a nominal 80-mil (2.0-mm) thick, self-adhering, fiberglass reinforced modified bitumen membranes with a smooth top surface.
- **Xtraflex SBS G SA** is a self-adhering, polyester reinforced modified bitumen membrane with a granule top surface and fire-retardant chemistry.

- **XtraFlex Kool SBS S SA** is a self-adhering, polymer, SBS modified bitumen membrane with a self-adhering back face and a smooth top surface.
- **XtraFlex SBS Glas Interply** is a torch, hot asphalt, or cold adhesive applied fiberglass reinforced, modified bitumen membrane with a sanded top surface.
- **XtraFlex SBS Glass G** is a torch, hot asphalt, or cold adhesive applied fiberglass reinforced, modified bitumen membranes with a granule top surface and fire-retardant chemistry.
- **XtraFlex SBS Poly G HP** is a torch, hot asphalt, or cold adhesive applied polyester reinforced, modified bitumen membrane with a granule top surface and fire-retardant chemistry.
- **XtraFlex APPS** is a torch applied polyester reinforced, modified bitumen membrane with a smooth or sanded top surface.
- **XtraFlex APP G** is a torch applied polyester reinforced, modified bitumen membranes with a granule top surface and fire-retardant chemistry.
- XtraFlex APP G SA is an elastomeric, polyester reinforced membranes consisting of an APP compound on the top layer, a self-adhesive compound on the bottom layer and fireretardant chemistry.
- XtraFlex Kool APP G SA is a self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face, a reflective white granule top surface and fireretardant chemistry.
- **XtraFlex Kool SBS G** is a hot asphalt applied SBS modified bitumen membrane with reflective white granules on the top surface and fire-retardant chemistry.
- **XtraFlex Kool APPG** is a torch applied APP modified bitumen membranes with reflective white granules on the top surface.
- **XtraFlex Kool APP S SA** is a self-adhered, polyester reinforced, modified bitumen membrane with a reflective white film laminate on the top surface..

### **General installation Requirements:**

All IRC and 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 1/4" per foot is recommended.

Prime decks were required, in accordance with requirements and recommendations of the primer and deck manufacturer (if applicable). For re-roofing and re-cover applications, prime existing roof surfaces as necessary with XtraFlex 10 asphalt primer or an asphalt primer meeting ASTM D-41 specification and allow to dry prior to installing the Polyglass roofing system.

When applying the self-adhered membranes to a new wood decking, the wood must 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.

# The following notes apply to the systems outlined herein:

- 1. The roof decking must meet or exceed the uplift requirements of the IRC and IBC along with applicable Texas Revisions adopted by TDI. Install as required for resistance to wind loads.
- 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 Decking: Minimum 3/4" penetration into deck.
  - Structural Wood Panels: Minimum 3/4" penetration through deck.
- 4. Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads must expand as noted in the manufacturer's published instructions.
  - Hot asphalt at 20-40 lbs/square.
  - Dow Insta Stik™ Quik Set Insulation Adhesive is continuous 3/4" to 1" wide ribbons, 12" o.c.
  - Millennium One-Step Foamable Adhesive in continuous 1/4" to 1/2" wide ribbons, 12" o.c.
  - Millennium PG-1 Pump Grade Adhesive in continuous 1/4" to 1/2" wide ribbons, 12" o.c.
  - Polyglass LRF-M in continuous 1/4" to 1/2" wide ribbons, 12" o.c.
  - Polyglass LRF-M-PG in continuous 1/4" to 1/2" wide ribbons, 12" o.c.

- OMG OlyBond 500 Adhesive in continuous 3/4" to 1" wide ribbons, 12" o.c. (PaceCart or SpotShot). Note: OMG OlyBond 500
  Green Adhesive may be used in any system listing OMG OlyBond 500 Adhesive.
- Polyset CR-20 in continuous 2-1/2"-3-1/2" wide ribbons, 12" o.c.
- Note: When multiple layer(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, adhesive ribbons shall be staggered from layer-to-layer a distance of one-half the ribbon spacing.
- Note: The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.
- 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 IRC and IBC.
- 6. Bonded polyisocyanurate insulation boards shall be maximum 4' x 4'.
- 7. Unless otherwise noted, all base sheets specified in this report are metric.
- 8. Unless otherwise noted, all insulations are flat stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table:
  - Insta Stik™ Quik Set Insulation Adhesive: MDP -120.0 psf (min. 1/2" thick)
  - Millennium One-Step Foamable Adhesive: MDP -157.5 psf (min. 1/2" thick)
  - Millennium PG-1 Pump Grade Adhesive: MDP -157.5 psf (min. 1/2" thick)
  - Polyglass LRF-M: MDP 157.5 psf (min. 1/2" thick)
  - Polyglass LRF-M-PG: MDP 157.5 psf (min. 1/2" thick)
  - OMG OlyBond 500 or OMG OlyBond Green Adhesive Fastener: MDP -45.0 psf (min. 1/2" Multi-Max FA-3)
  - OMG OlyBond 500 or OMG OlyBond Green Adhesive Fastener: MDP -315.0 psf (min. 1/2" ENRGY 3)
  - OMG OlyBond 500 or OMG OlyBond Green Adhesive Fastener: MDP -487.5 psf (min. 1/2" ACFoam-II)
  - Polyset CR-20: MDP -117.5 psf (min. 1" thick)

# 9. Appendix 1

| APPENDIX 1 | 1: ATTACHMENT REQ | UIREMENTS FOR WIND U | PLIFT RESISTANCE                   |   |       |
|------------|-------------------|----------------------|------------------------------------|---|-------|
| Table      | Deck              | Assembly No.         | Application                        | Description   | Page  |
| 1A         | Wood              | W-1                  | New, or Reroof (Tear-Off)          | Bonded Insulation, Bonded Roof Cover  | 8     |
| 1B         | Wood              | W-2 – W-4            | New, Reroof (Tear-Off) or Recover  | Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover           | 8-10  |
| 1C         | Wood              | W-5 – W-12           | New or Reroof (Tear-Off)           | Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover           | 11-14 |
| 1D         | Wood              | W-13 – W-14          | New or Reroof (Tear-Off)           | Mech. Attached Base Insulation, Bonded Top Insulation,<br>Bonded Roof Cover | 15-16 |
| 1E         | Wood              | W-15 – W-16          | New, Re-roof (Tear-Off) or Recover | Mech. Attached Base Insulation, Bonded Top Insulation,<br>Bonded Roof Cover | 17    |
| 1F         | Wood              | W-17 – W-20          | New or Reroof (Tear-Off)           | Mech. Attached Insulation, Bonded Roof Cover                                | 18-20 |
| 1G         | Wood              | W-21 – W-25          | New, Reroof (Tear-Off) or Recover  | Mech. Attached Insulation, Bonded Roof Cover                                | 21-23 |
| 1H         | Wood              | W-26 – W-29          | New or Reroof (Tear-Off)           | Mech. Attached Base Sheet, Bonded Roof Cover                                | 24-26 |
| 11         | Wood              | W-30 – W-38          | New, Reroof (Tear-Off) or Recover  | Mech. Attached Base Sheet, Bonded Roof Cover                                | 27-31 |
| 1J         | Wood              | W-39 – W-65          | New or Reroof (Tear-Off)           | Non-Insulated, Mech. Attached Base Sheet, Bonded Roof<br>Cover              | 32-39 |
| 1K         | Wood              | W-66 – W-101         | New, Reroof (Tear-Off) or Recover  | Non-Insulated, Mech. Attached Base Sheet, Bonded Roof<br>Cover              | 40-51 |
| 1L         | Wood              | W-103                | New or Reroof (Tear-Off)           | Non-Insulated, Bonded Roof Cover  | 52    |
| 2A         | Concrete          | C-47                 | New or ReRoof (Tear-Off)           | Bonded Insulation, Bonded Roof Cover  | 52    |

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

|   |                | TABLE 1: POLYGLASS ROOF COVERS  |                                 |
|---|----------------|---|---------------------------------|
| Reference                                 | Layer          | Material  | Application                     |
| BP-AA                                     | Base           | XtraFlex G2 Base  |                                 |
| (Base and Ply sheets,<br>Asphalt-Applied) | Ply            | ASTM D2178, Type IV, or VI  | Hot asphalt at 20-40 lbs/square |
| CDC CA1                                   | Base           | XtraFlex SBS Glass Base (sand/sand), XtraFlex SBS HT Base 650, XtraFlex SBS Glass Interply, XtraFlex SBS Poly Base, Elastoshield TS                                       | DC350 + 4.5.2.0 - 1/            |
| SBS-CA1                                   | Cap            | XtraFlex SBS Glass Interply, XtraFlex SBS Glass G, XtraFlex SBS Poly Base, Elastoshield TS, XtraFlex SBS Poly G HP, XtraFlex Kool SBS G (sand-backed)                     | PG350 at 1.5-2.0 gal/square     |
| SBS-AA                                    | Base<br>or Ply | XtraFlex SBS Glass Base (sand/sand or poly/sand), XtraFlex SBS HT Base 650, XtraFlex SBS Glass Interply, XtraFlex SBS Poly Base, Elastoshield TS, Elastoshield TS FR      |                                 |
| (SBS, Asphalt-Applied)                    | Cap            | XtraFlex SBS Glass Interply, XtraFlex SBS Glass G, XtraFlex SBS Poly Base, Elastoshield TS, Elastoshield TS FR, XtraFlex SBS Poly G HP, XtraFlex Kool SBS G (sand-backed) | Hot asphalt at 20-40 lbs/square |
| SBS-TA (SBS, Torch-                       | Base<br>or Ply | XtraFlex SBS Glass Base (sand/poly or poly/poly), XtraFlex SBS HT Base 650, XtraFlex SBS Glass Interply, XtraFlex SBS Poly Base, Elastoshield TS, Elastoshield TS FR      |                                 |
| Applied)                                  | Сар            | XtraFlex SBS Glass Interply, XtraFlex SBS Glass G, XtraFlex SBS Poly Base, XtraFlex SBS Poly G HP, XtraFlex Kool SBS G (poly-film backed)                                 | Torch-Applied                   |
| SBS-SA (SBS, Self-                        | Base<br>or Ply | XtraFlex SBS Base SA  | Self-Adhering                   |
| Adhering)                                 | Cap            | XtraFlex SBS G SA, XtraFlex Kool SBS S SA   |                                 |
| APP-CA1                                   | Cap            | XtraFlex APP G  | PG350 at 1.5-2.0 gal/square     |
| APP-TA (APP, Torch-                       | Base<br>or Ply | XtraFlex APP Glass Base, XtraFlex APP S   | Torch-Applied                   |
| Applied)                                  | Сар            | XtraFlex APP S, XtraFlex APP G, XtraFlex Kool APP G   |                                 |
| APP-SA (APP, Self-<br>Adhering)           | Cap            | Xtraflex APP G SA, XtraFlex Kool APP G SA, Xtraflex Kool APP S SA   | Self-Adhering                   |

- 11. (Optional) Apply any of the following coatings to the top roof membrane. Apply the coatings in accordance with the manufacturer's installation instructions.
- XTRAFlex 10 A general all-purpose penetrating asphalt primer.
- XtraFlex 20 Bituminous Roof Coating Non-Fibered Roof Coating
- XtraFlex 30 Bituminuos Roof Coating-Fibered Fibered Roof Coating
- XtraFlex 60 Non-Fibered Aluminum Roof Coating
- XtraFlex 65 Fiber Aluminum Roof Coating
- XtraFlex 80 Non-Fibered Asphalt Emulsion Roof Coating
- XtraFlex 70 Premium Grade Elastomeric Roof Coating in white or tinted
- XtraFlex SRC 9600 High Solids Silicone Roof Coating in white or tinted
- XtraFlex SRC 8000 Silicone Roof Coating in white or tinted
- XtraFlexc EP Primer A two component, 1 to 1 ratio, water-based epoxy primer

### **Limitations and Installation:** Installation must be in accordance with the following assemblies:

|           |                        |  | MODIFIED BITUMEN – NEW CONSTRUCTION o<br>DECK, BONDED INSULATION, BONDED ROOF C |         | F)   |   |
|-----------|------------------------|--|---|---------|--|---|
| Assembly  | Cook at wat a 1        | Insula   | ation   |         | Roof Cover <sup>2</sup>                                  |   |
| No.       | Substrate <sup>1</sup> | Base   | Тор   | Base    | Ply  | Сар   |
| W-1       | Min. 15/32"<br>Plywood | Min. 1.5" ACFoam-II, ACFoam-III, Polytherm,<br>Polytherm G, ENRGY 3, H-Shield, Polytherm-H,<br>H-Shield CG or Multi-Max FA-3" in Polyset CR-<br>20 | (Optional) Additional layer(s) of base insulation in Polyset CR-20              | SBS-SA  | (Optional) SBS-SA,<br>SBS-AA, SBS-TA,<br>APP-TA or BP-AA | SBS-SA, SBS-AA, SBS-TA,<br>APP-SA or APP-TA |
| Design Pr | essure (psf)           |  | Insulation Attachme   | ent     |  |   |
| -5        | 52.5                   |  | Polyset CR-20 in rows 1.  | 2" o.c. |  |   |

#### Footnote:

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|  |                        |                     |   |  | EN – NEW CONSTRUCTION<br>ANCHOR SHEET, BONDED   | •  |   |  |                             |  |
|--|------------------------|---------------------|---|--|---|--|---|--|-----------------------------|--|
| Assembly Substrate Anchor Sheet Insulation Roof Cover R |                        |                     |   |  |   |  |   |  |                             |  |
| No.  | Substrate              | Туре                | Fasteners   | Attach   | Base  | Тор  | Base  | Ply  | Сар                         |  |
| W-2  | Min. 15/32"<br>Plywood | XtraFlex G2<br>Base | 12 ga. ring shank,<br>3/8" head diameter<br>roofing nails and 1-<br>5/8" diameter tin<br>caps | 8" o.c. in 4" lap and<br>8" o.c. in four (4),<br>equally spaced,<br>staggered center<br>rows | Min. 1.5" ACFoam-II,<br>ACFoam-III, Polytherm,<br>Polytherm G, H-Shield,<br>Polytherm-H, ENRGY 3<br>or Multi-Max FA-3 in hot<br>asphalt | Min. 1/4" DensDeck<br>Prime or SECUROCK<br>Gypsum Fiber Roof<br>Board in hot asphalt | SBS-AA, SBS-TA, or<br>APP-TA, self-<br>adhered (self-<br>adhered requires<br>use of torch-<br>applied sheet<br>overtop) | (Optional) SBS-<br>AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA or<br>APP-TA |  |
| Design Pro   | essure (psf)           |                     |   |  | Insulation Attachment   |  |   |  |                             |  |
| -6   | 7.5                    |                     | Hot asphalt in 20-40 lbs/square   |  |   |  |   |  |                             |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|           |               | ТАВ                  | LE 1B (CONTINUED): POLYGLASS M<br>WOOD DECK, MECHANICALLY ATT  |  | •  |   |  |  |                                |
|-----------|---------------|----------------------|--|--|--|---|--|--|--------------------------------|
| Assembly  | Cub-turk-1    |                      | Anchor Sheet   | Insula   | tion   | F   | Roof Cover <sup>2</sup>  |  |                                |
| No.       | Min 15/32"    | Туре                 | Fasteners  | Attach   | Base   | Тор   | Base   | Ply  | Сар                            |
| W-3       | · ·           | XtraFlexs<br>G2 Base | Dekfast PLT-H-2-7/8 plates with<br>Dekfast DF-#14-PH3 fasteners or<br>Polygrip Hex Plates with Polygrip<br>Fasteners #14, OMG 3"<br>Galvalume Steel Plates, AccuTrac<br>Flat Bottom plates with OMG #14<br>Roofgrip fasteners or Trufast 3"<br>Insulation Plates with Trufast #14<br>HD Fasteners or Simplex MAXX<br>Cap fasteners | 9" o.c. in 4" lap<br>and 9" o.c. in four<br>(4), equally<br>spaced, staggered<br>center rows | Min. 1.5" ACFoam-II,<br>ACFoam-III,<br>Polytherm, Polytherm<br>G, H-Shield,<br>Polytherm-H, ENRGY<br>3 or Multi-Max FA-3<br>in hot asphalt | Min. 1/4" DensDeck Prime or SECUROCK Gypsum Fiber Roof Board in hot asphalt | SBS-AA, SBS-TA, orAPP-TA, self-adhered (self-adhered requires use of torchapplied sheet overtop) | (Optional)<br>SBS-AA, SBS-<br>TA or APP-<br>TA | SBS-AA,<br>SBS-TA or<br>APP-TA |
| Design Pı | ressure (psf) |                      |  |  | Insulation Attachmen   | t   |  |  |                                |
|           | 82.5          |                      |  | Н  | ot asphalt in 20-40 lbs/sc   | luare   |  |  |                                |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|   | and mstand             | 1011.               |   |  |   |   |  |   |                              |  |  |
|---|------------------------|---------------------|---|--|---|---|--|---|------------------------------|--|--|
|   |                        |                     | •   |  | MEN – NEW CONSTRUCTION<br>IOR SHEET, BONDED INSULA  |   |  |   |                              |  |  |
| Assembly Collection Anchor Sheet Insulation Roof Cover <sup>2</sup> |                        |                     |   |  |   |   |  |   |                              |  |  |
| No.   | Substrate <sup>1</sup> | Type Fasteners      |   | Attach   | Base  | Тор   | Base                                   | Ply   | Сар                          |  |  |
| W-4   | Min. 15/32"<br>Plywood | XtraFlex G2<br>Base | 12-ga. ring shank, 3/8"<br>head diameter roofing<br>nails and 1-5/8"<br>diameter tin caps | 6" o.c. in 4" lap and<br>6" o.c. in five (5),<br>equally spaced,<br>staggered center<br>rows | Min. 1.5" ACFoam-II,<br>ACFoam-III, Polytherm,<br>Polytherm G, H-Shield,<br>Polytherm-H, ENRGY 3 or<br>Multi-Max FA-3 in hot<br>asphalt | Min. 1/4" SECUROCK Gypsum Fiber Roof Board or DensDeck Prime in hot asphalt | BP-AA, SBS-AA,<br>SBS-TA or APP-<br>TA | (Optional) BP-<br>AA, SBS-AA,<br>SBS-TA or APP-<br>TA | SBS-AA, SBS-<br>TA or APP-TA |  |  |
| Design Pr   | essure (psf)           |                     |   |  | Insulation Attachment   |   |  |   |                              |  |  |
| -9  | 90.0                   |                     | Hot asphalt in 20-40 lbs/square   |  |   |   |  |   |                              |  |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|              |   |  |  |   | CTION OR REROOF (TEAR-OFF) INSULATION, BONDED ROOF (  | COVER                        |  |   |  |
|--------------|---|--|--|---|---|------------------------------|--|---|--|
| Assambly No. | Substrate <sup>1</sup>                            | Anchor Sh  | eet  | I   | nsulation   |                              | Roof Cover <sup>2</sup>                    |   |  |
| Assembly No. | Substrate   | Туре   | Attach   | Base  | Тор   | Base                         | Ply  | Сар                                     |  |
| W-5          | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base,<br>XtraFlex SBS HT Base 650,<br>XtraFlex APP Glass Base,<br>CertainTeed Glasbase,<br>Firestone MB Base, JM<br>Perma-Ply 28, Tamko<br>Glass Base or GAF<br>GAFGLAS #75 | Simplex MAXX<br>Cap fasteners  | ASTM C1289, type II polyisocyanurate in hot asphalt applied at a rate of 20-40 lbs/square | Min. 1/4" DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 3/4" FescoBoard or min. 1/2" Structodek High Density Fiberboard Roof Insulation in hot asphalt applied at a rate of 20-40 Ibs/square | BP-AA,<br>SBS-AA             | (Optional) BP-<br>AA or SBS-AA             | SBS-AA, SBS-<br>TA or APP-<br>TA        |  |
| W-6          | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base,<br>XtraFlex SBS HT Base 650,<br>XtraFlex APP Glass Base,<br>CertainTeed Glasbase,<br>Firestone MB Base, JM<br>Perma-Ply 28, Tamko<br>Glass Base or GAF<br>GAFGLAS #75 | Simplex MAXX<br>Cap fasteners<br>primed with<br>XtraFlex 10 or<br>ASTM D41<br>Primer | ASTM C1289, type II polyisocyanurate in hot asphalt applied at a rate of 20-40 lbs/square | Min. 1/4" DensDeck <sup>3</sup> ,<br>DensDeck Prime, SECUROCK<br>Gypsum-Fiber Roof Board in<br>hot asphalt applied at a rate<br>of 20-40 lbs/square   | SBS-SA,<br>SBS-TA,<br>APP-TA | (Optional)<br>SBS-SA, SBS-<br>TA or APP-TA | SBS-SA, APP-<br>SA, SBS-TA<br>or APP-TA |  |
| Design Pres  | sure (psf)  |  |  | Anchor Sh   | eet Attachment  |                              |  |   |  |
| -52.         | 5   |  | 8" o.c. at   | at 4" laps and 8" o.c. at three, equally spaced, staggered center rows.                   |   |                              |  |   |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.
- 3. For self-adhering applications directly to non-prime DensDeck, Polyglass requires an application of XtraFlex 10 or ASTM D-41 Primer.

|          |   | ·   |  |   | I CONSTRUCTION OR REROOF (TEADED INSULATION, BONDED ROOF  | -                            |  |   |  |  |
|----------|---|---|--|---|---|------------------------------|--|---|--|--|
| Assembly | Substrate <sup>1</sup>                            | Anchor S  | heet   |   | Insulation  |                              |  | Roof Cover <sup>2</sup>                   |  |  |
| No.      | Substrate   | Туре  | Attach   | Base  | Тор   | Base                         | Ply  | Сар                                       |  |  |
| W-7      | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex APP Glass Base, CertainTeed Glasbase, Firestone MB Base, JM Perma- Ply 28, Tamko Glass Base or GAF GAFGLAS #75 | Simplex MAXX<br>Cap fasteners  | ASTM C1289, type II polyisocyanurate in hot asphalt applied at a rate of 20-40 lbs/square | Min. 1/4" DensDeck, DensDeck<br>Prime, SECUROCK Gypsum-Fiber<br>Roof Board, Min. 3/4"<br>FescoBoard or min. 1/2"<br>Structodek High Density Wood<br>Fiberboard in hot asphalt<br>applied at a rate of 20-40<br>Ibs/square | BP-AA or<br>SBS-AA           | (Optional)<br>BP-AA or<br>SBS-AA               | SBS-AA,<br>SBS-TA o<br>APP-TA             |  |  |
| W-8      | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex APP Glass Base, CertainTeed Glasbase, Firestone MB Base, JM Perma- Ply 28, Tamko Glass Base or GAF GAFGLAS #75 | Simplex MAXX<br>Cap fasteners<br>primed with<br>XtraFlex 10 or<br>ASTM D41<br>Primer | ASTM C1289, type II polyisocyanurate in hot asphalt applied at a rate of 20-40 lbs/square | Min. 1/4" DensDeck <sup>3</sup> , DensDeck<br>Prime, SECUROCK Gypsum-Fiber<br>Roof Board in hot asphalt<br>applied at a rate of 20-40<br>lbs/square   | SBS-SA,<br>SBS-TA,<br>APP-TA | (Optional)<br>SBS-SA, SBS-<br>TA or APP-<br>TA | SBS-SA,<br>APP-SA,<br>SBS-TA of<br>APP-TA |  |  |
| Design P | ressure (psf)                                     |   |  | Anchor  | Sheet Attachment  |                              |  |   |  |  |
| -        | -60.0   |   | 8" o.c. at 4" laps and 8" o.c. at three, equally spaced, staggered center rows.      |   |   |                              |  |   |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.
- 3. For self-adhering applications directly to non-prime DensDeck, Polyglass requires an application of XtraFlex 10 or ASTM D-41 Asphalt Primer.

|          |   |  | ` '  | LYGLASS MODIFIED BITUMEN – NEW CO<br>LY ATTACHED ANCHOR SHEET, BONDED  |  | •                  |   |  |  |
|----------|---|--|--|--|--|--------------------|---|--|--|
| Assembly | Substant 1  | Ancho  | or Sheet   | Insula   | tion   |                    | Roof Cov  | er²  |  |
| No.      | Min. 19/32" Plywood or Min. 19/32 OSB  Min. 19/32" Plywood or Min. 19/32" Plywood or Min. 19/32 | Туре   | Attach   | Base   | Base Top   |                    | Ply   | Сар  |  |
| W-9      | Plywood<br>or<br>Min. 19/32   | XtraFlex SBS<br>Glass Base or<br>XtraFlex SBS HT<br>Base 650 | Simplex MAXX<br>Cap fasteners  | Min. 2" ACFoam-II, ACFoam-III, Polytherm, Polytherm G, H-Shield, Polytherm-H, H-Shield CG, Multi-Max FA-3 or ENRGY-3 in Insta Stick™ Quik Set Insulation Adhesive, OlyBond 500 Adhesive, OlyBond 500 Green Adhesive (PaceCart or SpotShot), Polyset CR-20 or Millennium One-Step Foamable Adhesive, or Polyglass LRF- M, 7" o.c. atop anchor sheet fastener rows | Min. 1/4" DensDeck, DensDeck<br>Prime, SECUROCK Gypsum-Fiber<br>Roof Board in Insta Stick™ Quik<br>Set Insulation Adhesive, OlyBond<br>500 Adhesive, OlyBond 500 Green<br>Adhesive (PaceCart or SpotShot),<br>Polyset CR-20 or Millennium One-<br>Step Foamable Adhesive, or<br>Polyglass LRF-M 12" o.c. | BP-AA or<br>SBS-AA | (Optional)<br>BP-AA, SBS-<br>AA, SBS-SA,<br>SBS-TA or<br>APP-TA | SBS-AA, SBS-TA,<br>APP-TA, SBS-SA<br>or APP-SA |  |
| W-10     | Plywood<br>or   | XtraFlex SBS<br>Glass Base or<br>XtraFlex SBS HT<br>Base 650 | Simplex MAXX<br>Cap fasteners<br>with XtrraFlex 10<br>or ASTM D41<br>Primer    | Min. 2" ACFoam-II, ACFoam-III, Polytherm, Polytherm G, H-Shield, Polytherm-H, H-Shield CG, Multi-Max FA-3 or ENRGY-3 in Insta Stick™ Quik Set Insulation Adhesive, OlyBond 500 Adhesive, OlyBond 500 Green Adhesive (PaceCart or SpotShot), Polyset CR-20 or Millennium One-Step Foamable Adhesive, or Polyglass LRF- M, 7" o.c. atop anchor sheet fastener rows | (Optional) Additional layers base insulation in Insta Stick™ Quik Set Insulation Adhesive, OlyBond 500 Adhesive, OlyBond 500 Green Adhesive (PaceCart or SpotShot), Polyset CR-20 or Millennium One-Step Foamable Adhesive, or Polyglass LRF-M 12" o.c.  | SBS-SA             | (Optional)<br>SBS-SA, SBS-<br>TA or APP-<br>TA                  | SBS-SA, APP-SA,<br>SBS-TA or APP-<br>TA        |  |
| Design   | Pressure (psf)  |  |  | Anchor Sheet Attachment  |  |                    |   |  |  |
|          | -60.0   |  | 6" o.c. at 4" laps and 6" o.c. at four, equally spaced, staggered center rows. |  |  |                    |   |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|            |   | ·  | NUED): POLYGLASS MODIFIED BITUN<br>HANICALLY ATTACHED ANCHOR SH   |   | ·  | •                            |  |   |  |  |
|------------|---|--|---|---|--|------------------------------|--|---|--|--|
| Assembly   | Substrate <sup>1</sup>                            | А  | nchor Sheet   | li  | Roof Cover <sup>2</sup>  |                              |  |   |  |  |
| No.        | Substrate   | Туре   | Attach  | Base  | Тор  | Base                         | Ply  | Сар                                       |  |  |
| W-11       | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base,<br>XtraFlex SBS HT Base<br>650, XtraFlex APP Glass<br>Base, CertainTeed<br>Glasbase, Firestone MB<br>Base, JM Perma-Ply 28,<br>Tamko Glass Base or<br>GAF GAFGLAS #75 | OMG Flat Bottom Plates (square) with #14 Roofgrip, Dekfast PLT-H-2-7/8 plates, Polygrip Hex Plates with Dekfast DF-#14-PH3, Polygrip Fasteners #14 or TruFast 3" Metal Insulation Plates with TruFast #14 HD Fasteners or Trufast VERSA-FAST Fasteners & Plates with two screws per plate | ASTM C1289, type<br>II<br>polyisocyanurate<br>in hot asphalt<br>applied at a rate<br>of 20-40<br>lbs/square | Min. 1/4" DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 3/4" FescoBoard or min. 1/2" Structodek High Density Wood Fiberboard in hot asphalt applied at a rate of 20-40 lbs/square | BP-AA<br>or SBS-<br>AA       | (Optional)<br>BP-AA or<br>SBS-AA               | SBS-AA,<br>SBS-TA or<br>APP-TA            |  |  |
| W-12       | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base,<br>XtraFlex SBS HT Base<br>650, XtraFlex APP Glass<br>Base, CertainTeed<br>Glasbase, Firestone MB<br>Base, JM Perma-Ply 28,<br>Tamko Glass Base or<br>GAF GAFGLAS #75 | OMG Flat Bottom Plates (square) with #14 Roofgrip, Dekfast PLT-H-2-7/8 plates, Polygrip Hex Plates with Dekfast DF-#14-PH3, Polygrip Fasteners #14 or TruFast 3" Metal Insulation Plates with TruFast #14 HD Fasteners or Trufast VERSA-FAST Fasteners & Plates with two screws per plate | ASTM C1289, type<br>II<br>polyisocyanurate<br>in hot asphalt<br>applied at a rate<br>of 20-40<br>lbs/square | Min. 1/4" DensDeck <sup>3</sup> ,<br>DensDeck Prime,<br>SECUROCK Gypsum-Fiber<br>Roof Board in hot asphalt<br>applied at a rate of 20-40<br>lbs/square   | SBS-SA,<br>SBS-TA,<br>APP-TA | (Optional)<br>SBS-SA, SBS-<br>TA or APP-<br>TA | SBS-SA,<br>APP-SA,<br>SBS-TA or<br>APP-TA |  |  |
| Design Pre | essure (psf)                                      |  |   | Anchor Sheet Attachment   |  |                              |  |   |  |  |
| -5         | 2.5   | 12" o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered center rows.  |   |   |  |                              |  |   |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.
- 3. For self-adhering applications directly to non-prime DensDeck, Polyglass requires an application of XtraFlex 10 or ASTM D-41 Asphalt Primer.

|              | ,   |  | : POLYGLASS MODIFIED BITUMEN – NEV<br>INICALLY ATTACHED BASE INSULATION   |   | •  |   |  |                                    |
|--------------|---|--|---|---|--|---|--|------------------------------------|
| Assembly     | Substrate <sup>1</sup>                            | В  | ase Insulation Layer(s)   | Top Insulation  | on Layer   |   | Roof Cover <sup>2</sup>  |                                    |
| No.          | Substrate   | Туре   | Attach  | Base  | Тор  | Base  | Ply  | Сар                                |
| W-13         | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | Min. 1.5" ENRGY<br>3, H-Shield or<br>Polytherm-H | Dekfast PLT-H-2-7/8 plates, Polygrip<br>Hex Plates with Dekfast DF-#14-PH3,<br>Dekfast DF-#15-PH3, Polygrip<br>Fasteners #14, Polygrip Fasteners #15<br>or TruFast 3" Metal Insulation Plates<br>with TruFast #14 HD or Trufast #15<br>EHD Fasteners or Trufast VERSA-FAST<br>Fasteners & Plates with two screws per<br>plate | Min. 3/4" FescoBoard or min. 1/2" Structodek High Density Wood Fiberboard | Hot asphalt<br>applied at a<br>rate of 20-40<br>lbs/square | (Optional if<br>using AA<br>Ply) BP-AA,<br>SBS-AA | (Optional if<br>using AA<br>Base) BP-AA,<br>SBS-AA, SBS-<br>TA or APP-TA | SBS-AA,<br>SBS-TA<br>or APP-<br>TA |
| Dociem Duoce | uno (mof)   |  | E   | Base Insulation Attachm   | nent   |   |  |                                    |
| Design Press | ure (pst)   | Dens   | ity (ft2 / fastener)  | Parts per 4 x 4' boa  | er 4 x 4' board Parts per 4 x                              |   | s per 4 x 8' board   |                                    |
|              | -52.5   |  | 1.33  | 12  |  |   | 24   |                                    |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|              | w   |  | NUED): POLYGLASS MODIFIED BI<br>NICALLY ATTACHED BASE INSUL   |  |  | ``   | •  |  |                                    |
|--------------|---|--|---|--|--|--|--|--|------------------------------------|
| Assembly     | 611   | E  | Base Insulation Layer(s)  |  | Top Insulat  | tion Layer   |  | Roof Cover <sup>2</sup>  |                                    |
| No.          | Substrate <sup>1</sup>                            | Туре   | Attach  |  | Base   | Тор  | Base   | Ply  | Сар                                |
| W-14         | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | Min. 1.5" ENRGY<br>3, H-Shield or<br>Polytherm-H | Dekfast PLT-H-2-7/8 plates, Poly<br>Hex Plates with Dekfast DF-#14-<br>Dekfast DF-#15-PH3, Polygrip<br>Fasteners #14 or Polygrip Faster<br>#15 or TruFast 3" Metal Insulation<br>Plates with TruFast #14 HD or Tou<br>#15 EHD Fasteners or Trufast VE<br>FAST Fasteners & Plates with two<br>screws per plate | -PH3 or<br>ners<br>on<br>rufast<br>ERSA- | Min. 3/4"<br>FescoBoard or<br>min. 1/2"<br>Structodek High<br>Density Wood<br>Fiberboard | Hot asphalt<br>applied at a<br>rate of 20-40<br>lbs/square | (Optional if<br>using AA Ply)<br>BP-AA, SBS-<br>AA | (Optional if<br>using AA<br>Base) BP-AA,<br>SBS-AA, SBS-<br>TA or APP-TA | SBS-AA,<br>SBS-TA<br>or APP-<br>TA |
| Dociem Bross | ura (naf)   |  |   | Bas                                      | se Insulation Attach   | nment  |  |  |                                    |
| Design Press | ure (psi)   | Densi  | Density (ft2 / fastener)  |  | Parts per 4 x 4' board   |  | Parts per 4 x 8' board                             |  |                                    |
| •            | -60.0   |  | 1.33  |  | 12   |  | 24   |  |                                    |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|              | W                      | TABLE 1E: POLYGLASS M  |   |  | •  | ` '  |                              |  |                                |
|--------------|------------------------|--|---|--|--|--|------------------------------|--|--------------------------------|
| Assembly     |                        | 1  | lation Layer(s)   | ISOLATION,   | Top Insulat  | •  | Roof Cover <sup>2</sup>      |  |                                |
| No.          | Substrate <sup>1</sup> | Туре   | Attach  |  | Base   | Тор  | Base                         | Ply  | Сар                            |
| W-15         | Min. 15/32"<br>Plywood | Min. 2.0" ACFoam-II,<br>ACFoam-III, Polytherm,<br>Polytherm G, ENRGY 3, H-<br>Shield, Polytherm-H,<br>Multi-Max FA-3 or<br>EnergyGuard Polyiso<br>Insulation | Dekfast PLT-H-2-7/with Dekfast DF-#14<br>fasteners or Polygrip<br>Plates with Polygrip<br>#14, OMG 3" Galval<br>Plates with OMG #1<br>fasteners or Trufast<br>Insulation Plates wit<br>#14 HD Fasteners | 4-PH3<br>p Hex<br>p Fasteners<br>lume Steel<br>14 Roofgrip<br>3" | Min. 1/4"<br>SECUROCK<br>Gypsum Fiber<br>Roof Board or<br>DensDeck Prime | Hot asphalt<br>applied at a<br>rate of 20-40<br>lbs/square | SBS-AA, SBS-<br>TA or APP-TA | (Optional)<br>SBS-AA, SBS-<br>TA or APP-<br>TA | SBS-AA,<br>SBS-TA or<br>APP-TA |
| Design Press | uro (nof)              |  |   | Ва   | ase Insulation Attachment  |  |                              |  |                                |
| Design Press | ure (psi)              | Density (ft2 / fastener)   |   | Parts per 4 x 4' board   |  |  | Parts per 4 x 8' board       |  |                                |
| •            | -75.0                  | 1.0  |   |  | 16   |  |                              | 32   | •                              |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|               |   |   |                          |  |         | ONSTRUCTION OR REROOF (TEA<br>JLATION, BONDED ROOF COVE  |   |  |                                |  |
|---------------|---|---|--------------------------|--|---------|--|---|--|--------------------------------|--|
| Assembly      | 6.1.1.1.1   | Base Insulation Layer(s)                                |                          | T  | op Insu | lation Layer   |   | Roof Cover <sup>2</sup>  |                                |  |
| No.           | Substrate <sup>1</sup>                            | Туре  | Attach                   | Base   |         | Тор  | Base  | Ply  | Сар                            |  |
| W-17          | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | (Optional)<br>One or more<br>layers, any<br>combination | Loose laid               | Min. 1/2" Structodek High<br>Density Wood Fiberboard<br>or min. 1/4" DensDeck,<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board |         | Dekfast PLT-H-2-7/8 plates,<br>Polygrip Hex Plates with<br>Dekfast DF-#14-PH3, Dekfast<br>DF-#15-PH3, Polygrip<br>Fasteners #14 or Polygrip<br>Fasteners #15 or Trufast<br>VERSA-FAST Fasteners &<br>Plates with two screws per<br>plate | (Optional if<br>using AA<br>Ply) BP-AA,<br>SBS-AA | (Optional if using<br>AA Base) BP-AA,<br>SBS-AA, SBS-TA<br>or APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA |  |
| Docian Proces | Design Pressure (psf)                             |   |                          |  | Тор     | Insulation Attachment  |   |  |                                |  |
| Design Press  | ure (psi)   | D   | Density (ft2 / fastener) |  |         | Parts per 4 x 4' board   |   | Parts per 4 x 8' board   |                                |  |
|               | -52.5 1.33  |   |                          | 12   |         | 24   |   |  |                                |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|               |   |   | •                        |   |  | EW CONSTRUCTION OR REROCATION, BONDED ROOF COVER  | ` ′  |  |                                    |  |
|---------------|---|---|--------------------------|---|--|---|--|--|------------------------------------|--|
| Assembly      | 6.1.4.4.1   | Base Insulat  | Base Insulation Layer(s) |   | Top Insulation Layer                       |   |  | Roof Cover <sup>2</sup>  |                                    |  |
| No.           | Substrate <sup>1</sup>                            | Туре  | Attach                   | Base  | e  | Тор   | Base   | Ply  | Сар                                |  |
| W-18          | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | (Optional)<br>One or more<br>layers, any<br>combination | Loose laid               | Min. 1/2" Str<br>High Density<br>Fiberboard o<br>1/4" DensDec<br>DensDeck Pr<br>SECUROCK G<br>Fiber Roof Bo | Wood<br>r min.<br>ck,<br>ime or<br>sypsum- | Dekfast PLT-H-2-7/8 plates,<br>Polygrip Hex plates with<br>Dekfast DF-#12-PH3,<br>Dekfast DF-#15-PH3,<br>Polygrip Fasteners #12,<br>Polygrip Fasteners #14 or<br>Polygrip Fasteners #15 or<br>Trufast VERSA-FAST<br>Fasteners & Plates with two<br>screws per plate | (Optional if<br>using AA Ply)<br>BP-AA, SBS-AA | (Optional if<br>using AA Base)<br>BP-AA, SBS-AA,<br>SBS-TA or APP-<br>TA | SBS-AA,<br>SBS-TA<br>or APP-<br>TA |  |
| Design Pressi | Design Pressure (psf)                             |   |                          |   | Тор  | Insulation Attachment   |  |  |                                    |  |
| Design Fress  | isign Pressure (psr)                              | Dens  | sity (ft2 / fastener)    | )   | Parts per 4 x 4' board                     |   | Parts per 4 x 8' board                         |  |                                    |  |
|               | -67.5   |   | 1.33                     |   | 12   |   | 24   |  |                                    |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|               |                        | •  | •                        |  |                        | NEW CONSTRUCTION OR REROOF (<br>JLATION, BONDED ROOF COVER   | (TEAR-OFF)  |  |   |  |
|---------------|------------------------|--|--------------------------|--|------------------------|--|---|--|---|--|
| Assembly      | 6.11                   | Base Insulatio                                 | Base Insulation Layer(s) |  | Top Insulation Layer   |  |   | Roof Cover <sup>2</sup>  |   |  |
| No.           | Substrate <sup>1</sup> | Туре   | Attach                   | Base   | e                      | Тор  | Base  | Ply  | Сар                                       |  |
| W-19          | Min. 19/32"<br>Plywood | (Optional) One or more layers, any combination | Loose laid               | Min. 1.5" ENRG<br>Shield or Polytl   |                        | Dekfast PTL-H-2-7/8 plates,<br>Polygrip Hex Plates with Dekfast<br>DF-#14-PH3, Dekfast DF-#15-<br>PH3, Polygrip Fasteners #14,<br>Polygrip Fasteners #15 or TruFast<br>3" Steel Insulation Plates with<br>TruFast #14 HD or Trufast #15<br>EHD Fasteners | SBS-SA  | (Optional)<br>SBS-TA, APP-<br>TA or SBS-SA                               | SBS-TA,<br>APP-TA,<br>SBS-SA or<br>APP-SA |  |
| W-20          | Min. 19/32"<br>Plywood | (Optional) One or more layers, any combination | Loose laid               | Min. 1/2" Structodek High<br>Density Wood Fiberboard<br>or min. 1/4" DensDeck,<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board |                        | Dekfast PTL-H-2-7/8 plates,<br>Polygrip Hex Plates with Dekfast<br>DF-#14-PH3, Dekafst DF-#15-<br>PH3, Polygrip Fasteners #14 or<br>Polygrip Fasteners #15   | (Optional if<br>using AA<br>Ply) BP-AA,<br>SBS-AA | (Optional if<br>using AA<br>Base) BP-AA,<br>SBS-AA, SBS-<br>TA or APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA            |  |
| Docion Ducce  | uno (moft)             |  |                          |  | Top                    | o Insulation Attachment  |   |  |   |  |
| Design Pressi | are (pst)              | Densi  | ty (ft2 / faster         | ner)   | Parts per 4 x 4' board |  | Parts per 4 x 8' board                            |  |   |  |
|               | -82.5                  |  | 1.33                     |  | 12                     |  |   | 24   |   |  |

- 1. Min. 19/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|               |                        |   |            |   | – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR TACHED INSULATION, BONDED ROOF COVER | RECOVER  |                        |                         |        |  |
|---------------|------------------------|---|------------|---|---|--|------------------------|-------------------------|--------|--|
| Assembly      | Code at mate 1         | Base Insulation Layer(s)                                |            |   | Top Insulation Layer  |  |                        | Roof Cover <sup>2</sup> |        |  |
| No.           | Substrate <sup>1</sup> | Туре  | Attach     | Base  | Тор   |  | Base                   | Ply                     | Сар    |  |
| W-21          | Min. 15/32"<br>Plywood | One or more<br>layers, any<br>combination, min.<br>1.0" | Loose laid | Min. 1/4" SECUF<br>Gypsum-Fiber R<br>Board optionally<br>primed with WB | oof Ribbed Galvalume Plates (Flat), AccuTrac                                  | llygrip<br>r 3 in.<br>Flat S<br>el Plates<br>Metal | SBS-SA                 | None                    | SBS-SA |  |
| W-22          | Min. 15/32"<br>Plywood | One or more<br>layers, any<br>combination, min.<br>1.0" | Loose laid | Min. 1/4" DensE<br>Prime optionally<br>primed with WB                   | AccuTrac Flat Bottom Plates or OMG 3"   | lygrip<br>r<br>S                                   | SBS-SA                 | None                    | SBS-SA |  |
| D! D          | (5)                    |   |            |   | Top Insulation Attachment   | •  | •                      |                         | •      |  |
| Design Pressu | ire (pst)              | Density (ft2 / fastener)                                |            | er)   | Parts per 4 x 4' board  |  | Parts per 4 x 8' board |                         |        |  |
|               | 45.0                   |   | 2.0        |   | 8   |  | 16                     |                         |        |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|              | Т                      | ABLE 1G (CO              | •      |   |   | EW CONSTRUCTION, REROOF (TEAR-<br>ISULATION, BONDED ROOF COVER  | OFF) OR RECOVER        | <b>R</b>                                       |   |
|--------------|------------------------|--------------------------|--------|---|---|---|------------------------|--|---|
| Assembly     | Culturatura to 1       | Base Insulation Layer(s) |        |   | Top Insu  | ılation Layer   |                        | Roof Cover <sup>2</sup>                        |   |
| No.          | Substrate <sup>1</sup> | Туре                     | Attach | Base  |   | Тор   | Base                   | Ply  | Сар                                       |
| W-23         | Min. 19/32<br>OSB      | None                     | N/A    | Min. 1.5" EnergyGuar<br>Insulation, ACFoam-I<br>III, ENRGY 3, ENRGY<br>Shield, H-Shield CG,<br>Multi-Max FA-3, Poly<br>Ultra-Max optionally<br>with POLYBRITE 745 | II, ACFoam-<br>3 CGF, H-<br>ISO 95+ GL,<br>therm or | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | SBS-SA                 | (Optional)<br>SBS-SA, SBS-<br>TA or APP-<br>TA | SBS-SA,<br>APP-SA,<br>SBS-TA or<br>APP-TA |
| Dasies Duage | (maf)                  |                          |        |   | To  | pp Insulation Attachment  |                        |  |   |
| Design Press | ure (psr)              | Density (ft2 / fastener) |        |   | Parts per 4 x 4' board                              |   | Parts per 4 x 8' board |  |   |
| -            | -67.5 1.33             |                          |        |   |   | 12  | 24                     |  |   |

- 1. Min. 19/32" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|               | Т                      | •   |            |                        |                                    | EW CONSTRUCTION, REROOF (TEAR-ONSULATION, BONDED ROOF COVER   | FF) OR RECOVER               |  |                                |
|---------------|------------------------|---|------------|------------------------|------------------------------------|---|------------------------------|--|--------------------------------|
| Assembly      |                        | Base Insulation Layer(s)                  |            |                        | p Insulation Layer                 | Roof Cover <sup>2</sup>   |                              |  |                                |
| No.           | Substrate <sup>1</sup> | Туре                                      | Attach     | В                      | Base                               | Тор   | Base                         | Ply  | Сар                            |
| W-24          | Min. 15/32"<br>Plywood | One or more<br>layers, any<br>combination | Loose laid | Prime or S             | DensDeck<br>SECUROCK<br>iiber Roof | Dekfast PLT-H-2-7/8 plates with<br>Dekfast DF-#14-PH3 fasteners or<br>Polygrip Hex Plates with Polygrip<br>Fasteners #14, OMG 3" Galvalume<br>Steel Plates with OMG #14 Roofgrip<br>fasteners or Trufast 3" Insulation<br>Plates with Trufast #14 HD<br>Fasteners | SBS-AA, SBS-<br>TA or APP-TA | (Optional)<br>SBS-AA, SBS-<br>TA or APP-<br>TA | SBS-AA,<br>SBS-TA or<br>APP-TA |
| Docion Bross  | uno (most)             | Top Insulation Attachment                 |            |                        |                                    |   |                              |  |                                |
| Design Pressi | ire (psi)              | Density (ft2 / fastener)                  |            | Parts per 4 x 4' board |                                    | Parts per 4 x 8' board  |                              | ł  |                                |
| -             | -75.0 1.0              |   |            | 16 32                  |                                    |   | 32                           |  |                                |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1H: POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |  |   |   |  |                                |  |  |  |  |  |
|----------|---|---|--|---|---|--|--------------------------------|--|--|--|--|--|
| Assembly | Substrate <sup>1</sup>  | Insulation Layer(s)   |  | Ва  | Base Sheet  |  |                                |  |  |  |  |  |
| No.      |   | Base Layer  | Top Layer  | Туре  | Fasteners   | Ply  | Сар                            |  |  |  |  |  |
| W-26     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB   | One or more<br>layers, any<br>combination,<br>prelim.<br>attached | (Optional) Min. 1/4" DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 3/4" FescoBoard or min. 1/2" Structodek High Density Wood Fiberboard, prelim. attached | XtraFlex SBS Glass Base,<br>XtraFlex SBS HT Base 650,<br>XtraFlex APP Glass Base,<br>CertainTeed Glasbase,<br>Firestone MB Base, JM<br>Perma-Ply 28, Tamko Glass<br>Base or GAF GAFGLAS #75 | OMG Flat Bottom Plates (square) with #14 Roofgrip, Dekfast Galvalume Steel Hex plates, Polygrip Hex Plates with Dekfast 14, Polygrip Fasteners #14 or TruFast 3" Metal Insulation Plates with TruFast #14 HD Fasteners or TRUFAST VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) BP-AA,<br>SBS-AA, SBS-TA<br>or APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA |  |  |  |  |  |
| Design P | ressure (psf)   | Base Sheet Attachment   |  |   |   |  |                                |  |  |  |  |  |
| -        | 52.5  |   | 12" o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered center rows.  |   |   |  |                                |  |  |  |  |  |

#### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |   | •   | NUED): POLYGLASS MODIFIED BITUME<br>DD DECK, MECHANICALLY ATTACHED E  |   | ` ` `   |                      |   |  |  |
|----------|---|---|---|---|---|----------------------|---|--|--|
| Assembly | Substrate <sup>1</sup>                            |   | Insulation Layer(s)   | Base  | Sheet   | Roof                 | Cover <sup>2</sup>                                  |  |  |
| No.      |   | Base Layer  | Top Layer   | Туре  | Fasteners   | Ply                  | Сар   |  |  |
| W-27     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | One or more<br>layers, any<br>combination,<br>prelim. attached                  | (Optional) Min. 1/4" DensDeck,<br>DensDeck Prime, SECUROCK<br>Gypsum-Fiber Roof Board, Min. 3/4"<br>FescoBoard or min. 1/2" Structodek<br>High Density Wood Fiberboard,<br>prelim. attached | XtraFlex SBS Glass Base<br>or XtraFlex SBS HT Base<br>650 | OMG Flat Bottom Plates<br>(square) with #14<br>Roofgrip fasteners or<br>Trufast VERSA-FAST<br>Fasteners & Plates with<br>two screws per plate | (Optional)<br>SBS-SA | SBS-SA,<br>APP-SA<br>SBS-AA,<br>SBS-TA or<br>APP-TA |  |  |
| Design   | Pressure (psf)                                    | Base Sheet Attachment   |   |   |   |                      |   |  |  |
|          | -52.5   | 12" o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered center rows. |   |   |   |                      |   |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|   |   | •  | IUED): POLYGLASS MODIFIED BITUMEN – N<br>D DECK, MECHANICALLY ATTACHED BASE  |   | ` '   |  |                                  |  |  |  |
|---|---|--|--|---|---|--|----------------------------------|--|--|--|
| Assembly  | 6.11  |  | Insulation Layer(s)  | Base S  | heet  | Roof Cover <sup>2</sup>                            |                                  |  |  |  |
| No.   | Substrate <sup>1</sup>                            | Base Layer   | Top Layer  | Туре  | Fasteners   | Ply  | Сар                              |  |  |  |
| W-28  | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | One or more<br>layers, any<br>combination,<br>prelim. attached | (Optional) Min. 1/4" DensDeck, DensDeck<br>Prime, SECUROCK Gypsum-Fiber Roof<br>Board, Min. 3/4" FescoBoard or min. 1/2"<br>Structodek High Density Wood<br>Fiberboard, prelim. attached | XtraFlex SBS Glass<br>Base or XtraFlex SBS<br>HT Base 650 | OMG Flat Bottom<br>Plates (square)<br>with #12 Standard<br>Roofgrip fasteners<br>or Trufast VERSA-<br>FAST Fasteners &<br>Plates with two<br>screws per plate | (Optional) BP-<br>AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA, SBS-<br>TA or APP-<br>TA |  |  |  |
| <b>D</b> esign  | Pressure (psf)                                    | Base Sheet Attachment  |  |   |   |  |                                  |  |  |  |
| -60.0 12" o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered center rows. |   |  |  |   |   |  |                                  |  |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |   | `   | ): POLYGLASS MODIFIED BITUMEN<br>CK, MECHANICALLY ATTACHED BA   |   | •   | )  |   |  |
|----------|---|---|---|---|---|--|---|--|
| Assembly | Substrate <sup>1</sup>                            | Insu  | lation Layer(s)   | Base Sh   | eet   | Roof (                                     | Cover <sup>2</sup>                      |  |
| No.      |   | Base Layer  | Top Layer   | Туре  | Fasteners   | Ply  | Сар                                     |  |
| W-29     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | One or more layers, any combination, prelim. attached | (Optional) Min. 1/4" DensDeck,<br>DensDeck Prime, SECUROCK<br>Gypsum-Fiber Roof Board, Min.<br>3/4" FescoBoard or min. 1/2"<br>Structodek High Density Wood<br>Fiberboard, prelim. attached | XtraFlex SBS Glass Base<br>or XtraFlex SBS HT Base<br>650 | OMG Flat Bottom<br>Plates (square)<br>with #12 Standard<br>Roofgrip or<br>Trufast VERSA-<br>FAST Fasteners &<br>Plates with two<br>screws per plate | (Optional) SBS-<br>SA, SBS-TA or<br>APP-TA | SBS-SA, APP-<br>SA, SBS-TA or<br>APP-TA |  |
| Design P | ressure (psf)                                     |   |   | Base Sheet Attachment                                     |   |  |   |  |
|          | -60.0   |   | 12" o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered center rows.   |   |   |  |   |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |                        |  |                     |                            | STRUCTION, REROOF (TEAR-OFF) OR RECOVER ASE SHEET, BONDED ROOF COVER |  |   |  |  |
|----------|------------------------|--|---------------------|----------------------------|--|--|---|--|--|
| Assembly | Cultura 1              | Insulation   | Layer(s)            |                            | Roof Cover <sup>2</sup>  |  |   |  |  |
| No.      | Substrate <sup>1</sup> | Base Layer   | Attach              | Туре                       | Fasteners  | Ply  | Сар                                       |  |  |
| W-30     | Min. 19/32<br>OSB      | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex SBS Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate      | (Optional) BP-<br>AA, SBS-AA,<br>SBS-TA or<br>APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA            |  |  |
| W-31     | Min. 19/32<br>OSB      | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex APP Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate      | (Optional)<br>APP-TA                                 | APP-TA                                    |  |  |
| W-32     | Min. 19/32<br>OSB      | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex SBS Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate      | (Optional)<br>SBS-SA                                 | SBS-SA,<br>APP-SA,<br>SBS-TA or<br>APP-TA |  |  |
| Design I | Pressure (psf)         |  | I                   | Base Sheet Attachment      |  |  |   |  |  |
|          | -67.5                  |  | 12                  | " o.c. at 4" laps and 12   | o.c. at two, equally spaced, staggered center rows.                  |  |   |  |  |

- 1. Min. 19/32" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | 1                      | WOO  | D DECK, MECHA       | NICALLY ATTACHED B         | ASE SHEET, BONDED ROOF COVER  |                                   |                      |
|----------|------------------------|--|---------------------|----------------------------|---|-----------------------------------|----------------------|
| Assembly | Substrate <sup>1</sup> | Insulation   | Layer(s)            |                            | Base Sheet  | Roof                              | f Cover <sup>2</sup> |
| No.      | Substrate              | Base Layer   | Attach              | Туре                       | Fasteners   | Ply                               | Сар                  |
| W-33     | Min. 15/32"<br>Plywood | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex APP Glass<br>Base | Dekfast PLT-H-2-7/8 plates with Dekfast DF-#14-PH3 fasteners or Polygrip Hex Plates with Polygrip Fasteners #14, OMG 3" Galvalume Steel Plates, AccuTrac Flat Bottom plates with OMG #14 Roofgrip fasteners or Trufast 3" Insulation Plates with Trufast #14 HD Fasteners or Simplex MAXX Cap fasteners | (Optional)<br>SBS-TA or<br>APP-TA | SBS-TA or<br>APP-TA  |
| Design I | Pressure (psf)         |  |                     |                            | Base Sheet Attachment   |                                   |                      |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

| Assembly |                        | Insulation   | Layer(s)            |                            | Base Sheet  | Roof Cover <sup>2</sup>           |                     |
|----------|------------------------|--|---------------------|----------------------------|---|-----------------------------------|---------------------|
| No.      | Substrate <sup>1</sup> | Base Layer   | Attach              |                            |   | Ply                               | Сар                 |
| W-34     | Min. 15/32"<br>Plywood | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex APP Glass<br>Base | Dekfast PLT-H-2-7/8 plates with Dekfast DF-#14-PH3 fasteners or Polygrip Hex Plates with Polygrip Fasteners #14, OMG 3" Galvalume Steel Plates, AccuTrac Flat Bottom plates with OMG #14 Roofgrip fasteners or Trufast 3" Insulation Plates with Trufast #14 HD Fasteners or Simplex MAXX Cap fasteners | (Optional)<br>SBS-TA or<br>APP-TA | SBS-TA or<br>APP-TA |
| Design I | Pressure (psf)         |  |                     |                            | Base Sheet Attachment   |                                   |                     |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA   | ,  |                     |                            | W CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVE<br>ASE SHEET, BONDED ROOF COVER | iR .   |                                |  |
|----------|--|--|---------------------|----------------------------|---|--|--------------------------------|--|
| Assembly | 6.1.4.4.1                                    | Insulation Layer(s)                                  |                     |                            | Base Sheet  |  | Roof Cover <sup>2</sup>        |  |
| No.      | Substrate <sup>1</sup>                       | Base Layer   | Attach              | Attach Type Fasteners      |   | Ply  | Сар                            |  |
| W-35     | Min. 7/16" OSB                               | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex SBS Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate             | (Optional) BP-<br>AA, SBS-AA,<br>SBS-TA or<br>APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA |  |
| W-36     | Min. 7/16" OSB                               | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex APP Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate             | (Optional)<br>APP-TA                                 | APP-TA                         |  |
| Design   | Design Pressure (psf)  Base Sheet Attachment |  |                     |                            |   |  |                                |  |
|          | -90.0  |  | 9                   | " o.c. at 2" laps and 12"  | o.c. at two, equally spaced, staggered center rows.                         |  |                                |  |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA                     | •  |                     |                            | W CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVI<br>ASE SHEET, BONDED ROOF COVER | ER   |                                |  |
|----------|------------------------|--|---------------------|----------------------------|---|--|--------------------------------|--|
| Assembly | 6.1.4.4.1              | Insulation Layer(s)                                  |                     |                            | Base Sheet  |  | Roof Cover <sup>2</sup>        |  |
| No.      | Substrate <sup>1</sup> | Base Layer   | Attach              | Туре                       | Fasteners   | Ply  | Сар                            |  |
| W-37     | Min. 7/16" OSB         | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex SBS Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate             | (Optional) BP-<br>AA, SBS-AA,<br>SBS-TA or<br>APP-TA | SBS-AA,<br>SBS-TA or<br>APP-TA |  |
| W-38     | Min. 7/16" OSB         | (Optional) One or<br>more layers, any<br>combination | Prelim.<br>Attached | XtraFlex APP Glass<br>Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate             | (Optional)<br>APP-TA                                 | APP-TA                         |  |
| Design   | Pressure (psf)         |  |                     |                            | Base Sheet Attachment   |  |                                |  |
|          | -105.0                 |  | 6                   | " o.c. at 4" laps and 6" o | o.c. at three, equally spaced, staggered center rows.                       |  |                                |  |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |                        |            | YGLASS MODIFIED BITUMEN – NEW CONSTR<br>N-INSULATED, MECHANICALLY ATTACHED BA | •   | •   |                                     |
|----------|------------------------|------------|---|---|---|-------------------------------------|
| Assembly | Cubatuata 1            | Clin Chant | Base Sheet  |   | Roof (  | Cover <sup>2</sup>                  |
| No.      | Substrate <sup>1</sup> | Slip Sheet | Туре  | Fasteners   | Ply   | Сар                                 |
| W-39     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base   | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | None  | SBS-AA, SBS-TA<br>or APP-TA         |
| W-40     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base (poly-film top)                                       | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | None  | SBS-SA or APP-SA                    |
| W-41     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base   | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | None  | APP-TA                              |
| W-42     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base   | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | (Optional) One or<br>more plies BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA<br>or APP-TA         |
| W-43     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base   | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | (Optional) One or<br>more plies APP-TA                                | APP-TA                              |
| W-44     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base   | 32 ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | (Optional) One or<br>more plies SBS-SA                                | SBS-SA, APP-SA,<br>SBS-TA or APP-TA |
| Design F | ressure (psf)          |            | Base Shee   | et Attachment   |   |                                     |
|          | -45.0                  |            | 6" o.c. at 3" laps and 6" o.c. at four,                                       | equally spaced, staggered cer   | iter rows.  |                                     |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |   | •   | POLYGLASS MODIFIED BITUMEN – NEW CON<br>NSULATED, MECHANICALLY ATTACHED BAS   | •  | •   |                             |
|----------|---|---|---|--|---|-----------------------------|
| Assembly | Substrate <sup>1</sup>                            | Slip Sheet  | Base Sheet  | Roof Cover <sup>2</sup>  |   |                             |
| No.      | No.   | Slip Sneet  | Туре  | Fasteners  | Ply   | Сар                         |
| W-45     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | (Optional) ASTM D 4601,<br>Type II base sheet prelim.<br>attached | XtraFlex SBS Glass Base, XtraFlex SBS HT<br>Base 650, XtraFlex G2 Base, CertainTeed<br>Glasbase, Firestone MB Base, JM Perma-Ply<br>28, Tamko Glass Base or GAF GAFGLAS #75 | Simplex MAXX Cap<br>fasteners  | (Optional)<br>BP-AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA, SBS-TA<br>or APP-TA |
| W-46     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | (Optional) ASTM D 4601,<br>Type II base sheet prelim.<br>attached | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650  | Simplex MAXX Cap<br>fasteners primed with<br>XtraFlex 10 or ASTM D41<br>Primer | (Optional)<br>SBS-SA                              | SBS-SA, APP-SA<br>or APP-TA |
| Design P | ressure (psf)                                     |   | Base Sheet A  | Attachment   |   |                             |
| -        | 52.5  |   | 8" o.c. at 4" laps and 8" o.c. at two, eq   | ually spaced, staggered cen  | ter rows.   |                             |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |                        |            | •  | UMEN – NEW CONSTRUCTION OR REROOF (<br>Y ATTACHED BASE SHEET, BONDED ROOF (                     | •   |                                     |  |
|----------|------------------------|------------|--|---|---|-------------------------------------|--|
| Assembly | 611                    |            |  | Base Sheet  | Roof Cover <sup>2</sup>   |                                     |  |
| No.      | Substrate <sup>1</sup> | Slip Sheet | Туре                                       | Fasteners   | Ply   | Сар                                 |  |
| W-47     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base                    | Simplex MAXX Cap fasteners  | None  | SBS-AA, SBS-TA<br>or APP-TA         |  |
| W-48     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base (poly-film top)    | Simplex MAXX Cap fasteners  | None  | SBS-TA or APP-TA                    |  |
| W-49     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base                    | Simplex MAXX Cap fasteners  | None  | APP-TA                              |  |
| W-50     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base                    | Simplex MAXX Cap fasteners Note: MAXX Caps are to be primed with XtraFlex 10 or ASTM D41 primer | None  | SBS-SA, APP-SA,<br>SBS-TA or APP-TA |  |
| W-51     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base                    | Simplex MAXX Cap fasteners  | (Optional) One or<br>more plies BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA<br>or APP-TA         |  |
| W-52     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base<br>(poly-film top) | Simplex MAXX Cap fasteners  | (Optional) One or<br>more plies SBS-TA                                | SBS-TA or APP-TA                    |  |
| W-53     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base                    | Simplex MAXX Cap fasteners  | (Optional) One or<br>more plies APP-TA                                | APP-TA                              |  |
| W-54     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base                    | Simplex MAXX Cap fasteners Note: MAXX Caps are to be primed with XtraFlex 10 or ASTM D41 primer | (Optional) One or<br>more plies SBS-SA                                | SBS-SA, APP-SA.<br>SBS-TA or APP-TA |  |
| Design P | ressure (psf)          |            |  | Base Sheet Attachment   |   |                                     |  |
| -        | -60.0                  |            | 8" o.c. at 3" laps and                     | d 8" o.c. at three, equally spaced, staggered co  | enter rows.   |                                     |  |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |   |  |   |  |  |  |
|----------|--|---|---|--|---|--|--|--|
| Assembly | Substrate <sup>1</sup>   | Clin Chast  |   | Base Sheet   | Roof Cov                                      | ver <sup>2</sup>                               |  |  |
| No.      | Substrate  | Slip Sheet  | Туре  | Fasteners  | Ply   | Сар  |  |  |
| W-55     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | (Optional) ASTM D 4601,<br>Type II base sheet prelim.<br>attached | XtraFlex SBS Glass<br>Base or XtraFlex<br>SBS HT Base 650 | Trufast VERSA-FAST Fasteners &<br>Plates with one screw per plate<br>primed with XtraFlex 10 or ASTM<br>D41 Primer | XtraFlex SBS Base SA                          | SBS-SA, APP-SA,<br>SBS-AA, SBS-TA or<br>APP-TA |  |  |
| W-56     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | (Optional) ASTM D 4601,<br>Type II base sheet prelim.<br>attached | XtraFlex SBS Glass<br>Base or XtraFlex<br>SBS HT Base 650 | Trufast VERSA-FAST Fasteners &<br>Plates with one screw per plate<br>primed with XtraFlex 10 or ASTM<br>D41 Primer | (Optional) BP-AA, SBS-AA,<br>SBS-TA or APP-TA | SBS-AA, SBS-TA or<br>APP-TA                    |  |  |
| Design   | Design Pressure (psf)  |   |   | Base Sheet Attachment  |   |  |  |  |
|          | -112.5   |   | 6" o.c. at 4" lap   | s and 6" o.c. at four, equally spaced, s   | taggered center rows.                         |  |  |  |

#### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |  |   |                   |                                  |  |  |
|----------|--|---|--|---|-------------------|----------------------------------|--|--|
| Assembly | Code at mate 1   | Clin Chant  | Base Sheet   |   | Roof Co           | over <sup>2</sup>                |  |  |
| No.      | Substrate <sup>1</sup>   | Slip Sheet  | Туре   | Fasteners   | Ply               | Сар                              |  |  |
| W-57     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | (Optional) ASTM D 4601,<br>Type II base sheet prelim.<br>attached | XtraFlex SBS Glass<br>Base or XtraFlex<br>SBS HT Base 650                      | Trufast VERSA-FAST Fasteners & Plates with<br>one screw per plate primed with XtraFlex 10<br>or ASTM D41 Primer | (Optional) SBS-SA | SBS-SA, APP-<br>SA or APP-<br>TA |  |  |
| Design   | Pressure (psf)   | Base Sheet Attachment   |  |   |                   |                                  |  |  |
|          | -97.5  |   | 6" o.c. at 4" laps and 6" o.c. at four, equally spaced, staggered center rows. |   |                   |                                  |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          |   | •  | D BITUMEN – NEW CONSTRUCTION OR REROOF (1<br>CALLY ATTACHED BASE SHEET, BONDED ROOF C   | •   |                                  |
|----------|---|--|---|---|----------------------------------|
| Assembly | Assembly Substrate1                               | Base   | Sheet   | Roof Cover <sup>2</sup>                       | 2                                |
| No.      | Substrate <sup>1</sup>                            | Туре   | Fasteners   | Ply   | Сар                              |
| W-58     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base, XtraFlex SBS HT Base<br>650, XtraFlex APP Glass Base, CertainTeed<br>Glasbase, Firestone MB Base, JM Perma-Ply 28,<br>Tamko Glass Base or GAF GAFGLAS #75 | OMG Flat Bottom Plates (square) with #14 Roofgrip fasteners, Dekfast PLT-H-2-7/8 plates, Polygrip Hex Plates with Dekfast DF-#14-PH3, Polygrip Fasteners #14 or TruFast 3" Metal Insulation Plates with TruFast #14 HD Fasteners or Trufast VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) BP-AA, SBS-AA,<br>SBS-TA or APP-TA | SBS-AA, SBS-<br>TA or APP-<br>TA |
| Design   | Pressure (psf)                                    |  | Base Sheet Attachment   |   |                                  |
|          | -52.5   | 12" o.c. at 4"   | laps and 12" o.c. at two, equally spaced, staggered c   | enter rows.                                   |                                  |

#### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |  |  |                       |  |  |  |  |
|----------|--|--|--|-----------------------|--|--|--|--|
| Assembly | Code at mate 1   |  | Base Sheet   | Roc                   | of Cover <sup>2</sup>                          |  |  |  |
| No.      | Substrate <sup>1</sup>   | Туре   | Fasteners  | Ply                   | Сар  |  |  |  |
| W-59     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | XtraFlex SBS Glass Base or XtraFlex SBS<br>HT Base 650 | OMG Flat Bottom Plates (square) with #14 Roofgrip fasteners, Dekfast PLT-H-2-7/8 plates, Polygrip Hex Plates with Dekfast DF-#14-PH3, Polygrip Fasteners #14 or TruFast 3" Metal Insulation Plate with TruFast #14 HD Fasteners or Trufast VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) SBS-<br>SA | SBS-SA, APP-SA,<br>SBS-AA, SBS-TA or<br>APP-TA |  |  |  |
| Design   | Pressure (psf)   |  | <b>Base Sheet Attachment</b>   |                       |  |  |  |  |
|          | -52.5  | 12" o.c  | c. at 4" laps and 12" o.c. at two, equally spaced, staggered cen   | ter rows.             |  |  |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|                       | is and mistanati   | <u> </u>   |   |  |                             |  |  |  |
|-----------------------|--|--|---|--|-----------------------------|--|--|--|
|                       | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |  |   |  |                             |  |  |  |
| Assembly              | 0.11   |  | Base Sheet  |  |                             |  |  |  |
| No.                   | Substrate <sup>1</sup>   | Туре   | Fasteners   | Ply  | Cap  SBS-AA, SBS-TA or      |  |  |  |
| W-60                  | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | XtraFlex SBS Glass Base or XtraFlex SBS<br>HT Base 650 | OMG Flat Bottom Plates (square) with #12 Standard<br>Roofgrip fasteners or Trufast VERSA-FAST Fasteners &<br>Plates with two screws per plate | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA or<br>APP-TA |  |  |  |
| Design Pressure (psf) |  |  | <b>Base Sheet Attachment</b>  |  |                             |  |  |  |
|                       | -60.0 12"  |  | o.c. at 4" laps and 12" o.c. at two, equally spaced, staggered  | center rows.                                     |                             |  |  |  |

#### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |  |   |  |                                      |  |  |  |
|----------|--|--|---|--|--------------------------------------|--|--|--|
| Assembly | Culturatura to 1   | Ва   | se Sheet  | Roof                                   | Cover <sup>2</sup>                   |  |  |  |
| No.      | Substrate <sup>1</sup>   | Туре   | Fasteners   | Ply                                    | Cap<br>SBS-SA, APP-SA, SBS-          |  |  |  |
| W-61     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650 | OMG Flat Bottom Plates (square) with #12<br>Standard Roofgrip fasteners or Trufast VERSA-<br>FAST Fasteners & Plates with two screws per<br>plate | (Optional) SBS-SA,<br>SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-<br>TA or APP-TA |  |  |  |
| Design   | Design Pressure (psf)  |  | <b>Base Sheet Attachment</b>  |  |                                      |  |  |  |
|          | -60.0  | 12" o.c. a   | it 4" laps and 12" o.c. at two, equally spaced, stagger   | red center rows.                       |                                      |  |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|  | and mstanati                                      | U111  |   |                   |                             |  |  |  |
|--|---|---|---|-------------------|-----------------------------|--|--|--|
| TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |   |   |                   |                             |  |  |  |
| Assembly   | 6 1 1 1 1   | Base Sheet  |   | Roo               | f Cover <sup>2</sup>        |  |  |  |
| No.  | Substrate <sup>1</sup>                            | Туре  | Fasteners   | Ply               | Сар                         |  |  |  |
| W-62   | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base or XtraFlex SBS HT Base 650 | Trufast VERSA-FAST Fasteners & Plates with one screw per plate primed with PG100 or ASTM D41 Primer | (Optional) SBS-SA | SBS-SA, APP-SA or<br>APP-TA |  |  |  |
| Design   | Pressure (psf)                                    |   | Base Sheet Attachment   |                   |                             |  |  |  |
| -112.5   |   | 4" o.c. at 4" laps and                              | l 4" o.c. at four, equally spaced, staggered  | d center rows     |                             |  |  |  |

#### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |   |                   |                             |  |  |  |
|----------|--|---|---|-------------------|-----------------------------|--|--|--|
| Assembly | Ch.441   | Base Sheet  |   | Roo               | f Cover <sup>2</sup>        |  |  |  |
| No.      | Substrate <sup>1</sup>   | Туре  | Fasteners   | Ply               | Сар                         |  |  |  |
| W-63     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB  | XtraFlex SBS Glass Base or XtraFlex SBS HT Base 650 | Trufast VERSA-FAST Fasteners & Plates with one screw per plate primed with PG100 or ASTM D41 Primer | (Optional) SBS-SA | SBS-SA, APP-SA or<br>APP-TA |  |  |  |
| Design   | Pressure (psf)   |   | <b>Base Sheet Attachment</b>  |                   |                             |  |  |  |
|          | -97.5  | 4" o.c. at 4" laps and                              | 4" o.c. at four, equally spaced, staggered  | d center rows     |                             |  |  |  |

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | and mistanation.   |            |  |   |                                |   |  |  |  |
|----------|--|------------|--|---|--------------------------------|---|--|--|--|
|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |            |  |   |                                |   |  |  |  |
| Assembly | 6.1.4.4.1  |            | Base Sheet   |   | Roof Co                        | ver <sup>2</sup>                        |  |  |  |
| No.      | Substrate <sup>1</sup>   | Slip Sheet | Туре   | Fasteners   | (Contional) SRS-SA   1         |   |  |  |  |
| W-64     | Min. 7/16" Plywood or<br>Min. 7/16" OSB  | None       | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650 | 32-ga., 1-5/8" diameter<br>tin caps with 12-ga.<br>annular ring shank nails | (Optional) SBS-SA<br>or SBS-TA | SBS-SA, APP-<br>SA, SBS-TA<br>or APP-TA |  |  |  |
| Desi     | ign Pressure (psf)   |            | Base Sheet Att   | tachment  |                                |   |  |  |  |
|          | -45.0  |            | 6" o.c. at 3" laps and 6" o.c. at four, equa           | ally spaced, staggered cente  | r rows.                        |   |  |  |  |

#### Footnote:

- 1. Min. 7/16" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

## **Limitations and Installation:**

|          | mations and instantation.  |            |  |   |                                |   |  |  |
|----------|--|------------|--|---|--------------------------------|---|--|--|
|          | TABLE 1J (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF) WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |            |  |   |                                |   |  |  |
| Assembly | 6.1-1-1-1  | CI: CI     | Base Sheet   |   | Roof Co                        | ver <sup>2</sup>                        |  |  |
| No.      | Substrate <sup>1</sup>   | Slip Sheet | Туре   | Fasteners   | Ply                            | Сар                                     |  |  |
| W-65     | Min. 7/16" Plywood or<br>Min. 7/16" OSB  | None       | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650 | Simplex MAXX Cap fasteners<br>primed with XtraFlex 10 or<br>ASTM D41 Primer | (Optional) SBS-SA or<br>SBS-TA | SBS-SA, APP-SA,<br>SBS-TA or APP-<br>TA |  |  |
| Desig    | Design Pressure (psf)  Base Sheet Attachment   |            |  |   |                                |   |  |  |
|          | -60.0  |            | 8" o.c. at 3" laps and 8" o.c. at th                   | nree, equally spaced, staggered ce  | enter rows.                    |   |  |  |

- 1. Min. 7/16" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

| TABLE 1K: POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |                        |            |                         |   |  |                                     |  |
|---|------------------------|------------|-------------------------|---|--|-------------------------------------|--|
| Assembly  | 6.11                   | SI: SI     |                         | Base Sheet  | Roof   | Cover <sup>2</sup>                  |  |
| No.   | Substrate <sup>1</sup> | Slip Sheet | Туре                    | Fasteners   | Ply  | Сар                                 |  |
| W-66  | Min. 19/32" OSB        | None       | XtraFlex SBS Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | None   | SBS-AA, SBS-TA<br>or APP-TA         |  |
| W-67  | Min. 19/32" OSB        | None       | XtraFlex SBS Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | None   | SBS-SA or APP-SA                    |  |
| W-68  | Min. 19/32" OSB        | None       | XtraFlex APP Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | None   | APP-TA                              |  |
| W-69  | Min. 19/32" OSB        | None       | XtraFlex SBS Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA<br>or APP-TA         |  |
| W-70  | Min. 19/32" OSB        | None       | XtraFlex APP Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) APP-TA                                | APP-TA                              |  |
| W-71  | Min. 19/32" OSB        | None       | XtraFlex SBS Glass Base | Trufast VERSA-FAST Fasteners & Plates with two screws per plate | (Optional) SBS-SA                                | SBS-SA, APP-SA,<br>SBS-TA or APP-TA |  |
| Design  | Pressure (psf)         |            |                         | Base Sheet Attachment   |  |                                     |  |
|   | -67.5                  |            | 12" o.c. at             | 4" laps and 12" o.c. at two, equally spaced, staggered          | center rows.                                     |                                     |  |

- 1. Min. 19/32" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | and mistanation.  |             |  |   |  |                                  |  |  |  |
|----------|---|-------------|--|---|--|----------------------------------|--|--|--|
|          | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |             |  |   |  |                                  |  |  |  |
| Assembly | Culativat 1   | Clim Charat | Base Sheet   |   | Roof Co  | ver <sup>2</sup>                 |  |  |  |
| No.      | Substrate <sup>1</sup>  | Slip Sheet  | Туре   | Fasteners   | Ply Cap  |                                  |  |  |  |
| W-72     | Min. 7/16" Plywood or<br>Min. 7/16" OSB   | None        | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650 | Trufast VERSA-FAST<br>Fasteners & Plates with<br>two screws per plate | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-<br>TA or APP-<br>TA |  |  |  |
| Desi     | gn Pressure (psf)   |             | Base Sheet Att   | achment   |  |                                  |  |  |  |
|          | -90.0   |             | 9" o.c. at 2" laps and 12" o.c. at two, equ            | ally spaced, staggered cente  | ter rows.  |                                  |  |  |  |

- 1. Min. 7/16" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA                              | ` '        | LYGLASS MODIFIED BITUMEN – NEW<br>-INSULATED, MECHANICALLY ATTAC | · ·   |  |                             |
|----------|---------------------------------|------------|--|---|--|-----------------------------|
| Assembly | Assembly Substrate <sup>1</sup> | Clin Chart | Base   | Base Sheet  |  | Cover <sup>2</sup>          |
| No.      |                                 | Slip Sheet | Туре   | Fasteners   | Ply  | Сар                         |
| W-73     | Min. 7/16" OSB                  | None       | XtraFlex SBS Glass Base  | Trufast VERSA-FAST<br>Fasteners & Plates with<br>two screws per plate | None   | SBS-AA, SBS-TA<br>or APP-TA |
| W-74     | Min. 7/16" OSB                  | None       | XtraFlex APP Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | None   | APP-TA                      |
| W-75     | Min. 7/16" OSB                  | None       | XtraFlex SBS Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA<br>or APP-TA |
| W-76     | Min. 7/16" OSB                  | None       | XtraFlex APP Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | (Optional) APP-TA                                | APP-TA                      |
| Design F | ressure (psf)                   |            | Bas  | se Sheet Attachment   |  |                             |
|          | -90.0                           |            | 9" o.c. at 2" laps and 12" o.c.                                  | at two, equally spaced, staggered cer                                 | nter rows.                                       |                             |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|  | and mistanation.  |            |  |   |  |                                  |  |  |  |
|--|---|------------|--|---|--|----------------------------------|--|--|--|
|  | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |            |  |   |  |                                  |  |  |  |
| Assembly                                     | 6.11  |            | Base Sheet   |   | Roof Co  | ver <sup>2</sup>                 |  |  |  |
| No.  | Substrate <sup>1</sup>  | Slip Sheet | Туре   | Fasteners   | Ply Cap  | Сар                              |  |  |  |
| W-77   | Min. 7/16" Plywood or<br>Min. 7/16" OSB   | None       | XtraFlex SBS Glass Base or XtraFlex SBS HT<br>Base 650 | Trufast VERSA-FAST<br>Fasteners & Plates with<br>two screws per plate | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-<br>TA or APP-<br>TA |  |  |  |
| Design Pressure (psf)  Base Sheet Attachment |   |            |  |   |  |                                  |  |  |  |
|  | -105.0  |            | 6" o.c. at 4" laps and 6" o.c. at three, equ           | ally spaced, staggered cente  | ered center rows.                                |                                  |  |  |  |

- 1. Min. 7/16" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA                     | ` '        | LYGLASS MODIFIED BITUMEN – NEW<br>-INSULATED, MECHANICALLY ATTAC | · ·   |  |                             |
|----------|------------------------|------------|--|---|--|-----------------------------|
| Assembly | Substrate <sup>1</sup> | Clin Chart | Base   | Base Sheet  |  |                             |
| No.      | No.                    | Slip Sheet | Туре   | Fasteners   | Ply  | Сар                         |
| W-78     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base  | Trufast VERSA-FAST<br>Fasteners & Plates with<br>two screws per plate | None   | SBS-AA, SBS-TA<br>or APP-TA |
| W-79     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | None   | APP-TA                      |
| W-80     | Min. 7/16" OSB         | None       | XtraFlex SBS Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBA-TA<br>or APP-TA |
| W-81     | Min. 7/16" OSB         | None       | XtraFlex APP Glass Base  | Trufast VERSA-FAST Fasteners & Plates with two screws per plate       | (Optional) APP-TA                                | APP-TA                      |
| Design F | Pressure (psf)         |            | Bas  | se Sheet Attachment   |  |                             |
| -        | 105.0                  |            | 6" o.c. at 4" laps and 6" o.c. a                                 | t three, equally spaced, staggered ce                                 | nter rows.                                       |                             |

- 1. Min. 7/16" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

| Assembly<br>No. | 1                      | stratal Slin Shoot |   | Base Sheet   | Roof C                              | over <sup>2</sup>                   |
|-----------------|------------------------|--------------------|---|--|-------------------------------------|-------------------------------------|
|                 | Substrate <sup>1</sup> | Slip Sheet         | Туре                                    | Fasteners  | Ply                                 | Сар                                 |
| W-82            | Min. 19/32"<br>OSB     | None               | XtraFlex SBS Glass Base                 | Trufast VERSA-FAST Fasteners & Plates with one screw per plate   | BP-AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA, SBS-TA<br>or APP-TA         |
| W-83            | Min. 19/32"<br>OSB     | None               | XtraFlex SBS Glass Base (poly-film top) | Trufast VERSA-FAST Fasteners & Plates with one screw per plate   | SBS-TA                              | SBS-TA or APP-TA                    |
| W-84            | Min. 19/32"<br>OSB     | None               | XtraFlex APP Glass Base                 | Trufast VERSA-FAST Fasteners & Plates with one screw per plate   | APP-TA                              | APP-TA                              |
| W-85            | Min. 19/32"<br>OSB     | None               | XtraFlex SBS Glass Base                 | Trufast VERSA-FAST Fasteners & Plates with one screw per plate Note: Versa-Fast Plates shall be primed with PG100 or ASTM D41 primer | SBS-SA                              | SBS-SA, APP-SA,<br>SBS-TA or APP-TA |
| Design P        | ressure (psf)          |                    |   | Base Sheet Attachment  |                                     |                                     |

- 1. Min. 19/32" oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|  | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |  |  |  |  |  |  |  |
|--|---|---|--|--|--|--|--|--|--|
| Assembly                                     | Substrate <sup>1</sup>  | Clin Chaot  | Base Sheet   |  | Roof Co  | ver <sup>2</sup>                                   |  |  |  |
| No.  | Substrate   | Slip Sheet  | Туре   | Fasteners  | Ply  | Сар  |  |  |  |
| W-86   | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB   | (Optional) Polyglass<br>G2 Base, prelim.<br>attached                                  | XtraFlex SBS Glass Base, XtraFlex SBS HT Base 650,<br>XtraFlex APP Glass Base, CertainTeed Glasbase,<br>Firestone MB Base, JM Perma-Ply 28, Tamko Glass<br>Base or GAF GAFGLAS #75 | Simplex MAXX Cap<br>fasteners  | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-<br>TA or APP-<br>TA                   |  |  |  |
| W-87   | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB   | (Optional) Polyglass G2 Base, prelim. XtraFlex SBS Glass Base or XtraFlex SBS HT Base |  | Simplex MAXX Cap<br>fasteners primed with<br>XtraFlex 10 or ASTM D41<br>Primer | (Optional) SBS-SA,<br>BP-AA or SBS-AA            | SBS-SA, APP-<br>SA, SBS-AA,<br>SBS-TA or<br>APP-TA |  |  |  |
| Design Pressure (psf)  Base Sheet Attachment |   |   |  |  |  |  |  |  |  |
|  | -60.0 8" o.c. at 4" laps and 8" o.c. at three, equally spaced, staggered center rows.   |   |  |  |  |  |  |  |  |

### Footnote:

- 1. Min. 19/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|  | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |            |                         |   |                                |                     |  |  |  |
|--|---|------------|-------------------------|---|--------------------------------|---------------------|--|--|--|
| Assembly   | 6 1 1 1 1   | ci: ci .   | Base Shee               | et  | Roof Co                        | ver <sup>2</sup>    |  |  |  |
| No.  | Substrate <sup>1</sup>  | Slip Sheet | Туре                    | Fasteners   | Ply                            | Сар                 |  |  |  |
| W-88   | Min. 15/32"<br>Plywood  | None       | XtraFlex APP Glass Base | 12 ga. ring shank, 3/8"<br>head diameter roofing<br>nails and 1-5/8"<br>diameter tin caps | (Optional) SBS-TA<br>or APP-TA | SBS-TA or<br>APP-TA |  |  |  |
| Design Pressure (psf)  |   |            | Base Sheet Attachment   |   |                                |                     |  |  |  |
| -67.5 8" o.c. at 4" laps and 8" o.c. at four, equally spaced, staggered center rows. |   |            |                         |   |                                |                     |  |  |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |   |                         |  |                                |                     |  |  |  |
|----------|---|---|-------------------------|--|--------------------------------|---------------------|--|--|--|
| Assembly | Culturatura 4 x 1   | Clin Chant  |                         | Base Sheet   | Roof Co                        | ver <sup>2</sup>    |  |  |  |
| No.      | Substrate <sup>1</sup>  | Slip Sheet  | Туре                    | Fasteners  | Ply                            | Сар                 |  |  |  |
| W-89     | Min. 15/32"<br>Plywood  | None  | XtraFlex APP Glass Base | Dekfast PLT-H-2-7/8 plates with Dekfast DF-<br>#14-PH3 fasteners or Polygrip Hex Plates with<br>Polygrip Fasteners #14, OMG 3" Galvalume<br>Steel Plates, AccuTrac Flat Bottom plates with<br>OMG #14 Roofgrip fasteners or Trufast 3"<br>Insulation Plates with Trufast #14 HD Fasteners<br>or Simplex MAXX Cap fasteners | (Optional) SBS-TA<br>or APP-TA | SBS-TA or<br>APP-TA |  |  |  |
| Design   | Pressure (psf)  |   |                         | Base Sheet Attachment  |                                |                     |  |  |  |
|          | -75.0   | 10" o.c. at 4" laps and 10" o.c. at three, equally spaced, staggered center rows. |                         |  |                                |                     |  |  |  |

### Footnote:

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TABLE 1K (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER WOOD DECK, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER |            |                            |  |                                |                     |  |  |
|----------|---|------------|----------------------------|--|--------------------------------|---------------------|--|--|
| Assembly | Substrate <sup>1</sup>  | Base Sheet |                            |  | Roof Co                        | ver <sup>2</sup>    |  |  |
| No.      | Substrate   | Slip Sheet | Туре                       | Fasteners  | Ply                            | Сар                 |  |  |
| W-90     | Min. 15/32"<br>Plywood  | None       | XtraFlex APP Glass<br>Base | Dekfast PLT-H-2-7/8 plates with Dekfast DF-#14-PH3 fasteners or Polygrip Hex Plates with Polygrip Fasteners #14, OMG 3" Galvalume Steel Plates, AccuTrac Flat Bottom plates with OMG #14 Roofgrip fasteners or Trufast 3" Insulation Plates with Trufast # 14 HD Fasteners or Simplex MAXX Cap fasteners | (Optional) SBS-TA<br>or APP-TA | SBS-TA or<br>APP-TA |  |  |
| Design F | Design Pressure (psf)   |            | Base Sheet Attachment      |  |                                |                     |  |  |
|          | -90.0 9" o.c. at 4" laps and 9" o.c. at four, equally spaced, staggered center rows.  |            |                            |  |                                |                     |  |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|                             | and mstanatic          | 711,  |                       |                            |                                       |                        |  |
|-----------------------------|------------------------|---|-----------------------|----------------------------|---------------------------------------|------------------------|--|
|                             | ТАВ                    | LE 1K (CONTINUED): POLYGLASS M<br>WOOD DECK, NON-INSULATE |                       | •                          | •                                     |                        |  |
| Assembly                    | 0.1.1.1                |   | Base Sheet            |                            | R                                     | oof Cover <sup>2</sup> |  |
| No.                         | Substrate <sup>1</sup> | Тур   | e                     | Fasteners                  | Ply                                   | Сар                    |  |
| W-91                        | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base or XtraFlex surfaced)             | `   ' '               |                            | (Optional) BP-AA,<br>SBS-AA or SBS-TA | SBS-AA                 |  |
| W-92                        | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base or XtraFlex surfaced)             | SBS HT Base 650 (poly | Simplex MAXX Cap fasteners | (Optional) SBS-TA<br>APP-TA           | or SBS-TA or APP-TA    |  |
|                             |                        |   | Bas                   | se Sheet Attachment        |                                       | <b>-</b>               |  |
| Design                      | Pressure (psf)         | At La   | ар                    | Staggered Center Row(s)    |                                       |                        |  |
|                             |                        | Max Spacing (o.c.)  | Min. Lap Width        | Max Spacing (d             | o.c.)                                 | Min. # of Rows         |  |
|                             | -52.5 9"               |   | 2"                    | 12"                        | 12"                                   |                        |  |
| -52.5 < P ≤ -90.0 6"        |                        | 2"  | 6"                    |                            | 2                                     |                        |  |
| -90.0 < P < -105.0 6" 2" 6" |                        |   | 3                     |                            |                                       |                        |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA  | BLE 1K (CONTINUED): POLYGLASS MOI<br>WOOD DECK, NON-INSULATED,            | DIFIED BITUMEN – NEW CONSTRU<br>MECHANICALLY ATTACHED BASE            |                         |                                |                                     |     |     |  |
|----------|---|---|---|-------------------------|--------------------------------|-------------------------------------|-----|-----|--|
| Assembly | Substrate <sup>1</sup>                            |   | Base Sheet  |                         | Roof                           | Cover <sup>2</sup>                  |     |     |  |
| No.      | Substrate   | Туре  | Type Fasteners  |                         | Type Fasteners Ply             |                                     | Ply | Сар |  |
| W-93     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | 32-ga., 1-5/8" diameter tin caps with<br>11-ga. annular ring shank nails  | Simplex MAXX Cap fasteners prim<br>ASTM D41 Primer                    | ned with XtraFlex 10 or | (Optional) SBS-SA<br>or SBS-TA | SBS-SA, APP-SA,<br>SBS-TA or APP-TA |     |     |  |
| W-94     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex SBS Glass Base or XtraFlex<br>SBS HT Base 650 (sand top surface) | Simplex MAXX Cap fasteners  |                         | (Optional) BP-AA or<br>SBS-AA  | SBS-AA                              |     |     |  |
| W-95     | Min. 19/32"<br>Plywood<br>or<br>Min. 19/32<br>OSB | XtraFlex APP Glass Base   | Simplex MAXX Cap fasteners primed with XtraFlex 10 or ASTM D41 Primer |                         | (Optional) SBS-SA<br>or APP-TA | SBS-SA, APP-SA or<br>APP-TA         |     |     |  |
|          |   |   | Base Sheet A  | Attachment              |                                |                                     |     |     |  |
| Design I | Pressure (psf)                                    | At La   | р   | Stag                    | gered Center Row(s)            |                                     |     |     |  |
|          |   | Max Spacing (o.c.)  | Min. Lap Width  | Max Spacing (o.c.)      | Mir                            | n. # of Rows                        |     |     |  |
|          | -52.5   | 6"  | 3"  | 6"                      |                                | 4                                   |     |     |  |

- 1. Min. 15/32" plywood or oriented strand board (OSB) must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA                     | BLE 1K (CONTINUED): POLYGLASS MOI<br>WOOD DECK, NON-INSULATED,                                 | DIFIED BITUMEN – NEW CONSTRU<br>MECHANICALLY ATTACHED BASE   |  |                               |                             |  |
|----------|------------------------|--|--|--|-------------------------------|-----------------------------|--|
| Assembly | Cook at mate 1         |  | Base Sheet   |  | Roof Cover <sup>2</sup>       |                             |  |
| No.      | Substrate <sup>1</sup> | Туре   | Fastener   | s  | Ply                           | Cap                         |  |
| W-96     | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base, XtraFlex SBS<br>HT Base 650 (sand top surface) or<br>XtraFlex G2 Base | Min. 1-5/8" OMG #12 Standard Ro<br>Roofgrip fasteners with OMG 3" R<br>OMG Flat Bottom Metal Plates                                      | (Optional) BP-AA,<br>SBS-AA, SBS-TA or<br>APP-TA | SBS-AA, SBS-TA or<br>APP-TA   |                             |  |
| W-97     | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base, XtraFlex SBS<br>HT Base 650 (sand top surface) or<br>XtraFlex G2 Base | Min. 1-5/8" Trufast #12 DP or Trufast #14 HD Fasteners<br>with Trufast 3" Metal Insulation Plates  |  | (Optional) BP-AA or<br>SBS-AA | SBS-AA, SBS-TA or<br>APP-TA |  |
| W-98     | Min. 15/32"<br>Plywood | XtraFlex APP Glass Base or XtraFlex<br>G2 Base   | Min. 1-5/8" OMG #12 Standard Roofgrip or OMG #14<br>Roofgrip fasteners with OMG 3" Round Metal Plates or<br>OMG Flat Bottom Metal Plates |  | (Optional) APP-TA             | АРР-ТА                      |  |
|          | 1                      |  | Base Sheet A   | Attachment                                       |                               |                             |  |
| Design   | Pressure (psf)         | At La  | р  | Stag   | aggered Center Row(s)         |                             |  |
|          |                        | Max Spacing (o.c.)   | Min. Lap Width   | Max Spacing (o.c.)                               | .c.) Min. # of Rows           |                             |  |
|          | -90.0                  | 6"   | 4"   | 6"   |                               | 3                           |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|          | TA                     | BLE 1K (CONTINUED): POLYGLASS MO<br>WOOD DECK, NON-INSULATED,                                  | DIFIED BITUMEN – NEW CONSTRU<br>MECHANICALLY ATTACHED BASE   | •                 | -                     | VER                     |                             |  |
|----------|------------------------|--|--|-------------------|-----------------------|-------------------------|-----------------------------|--|
| Assembly | Substrate <sup>1</sup> |  | Base Sheet   |                   |                       | Roof Cover <sup>2</sup> |                             |  |
| No.      | Substrate              | Туре   | Fastene  | rs                |                       | Ply                     | Сар                         |  |
| W-99     | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base, XtraFlex SBS<br>HT Base 650 (sand top surface) or<br>XtraFlex G2 Base | Min. 1-5/8" OMG #12 Standard Roofgrip or OMG #14<br>Roofgrip fasteners with OMG 3" Round Metal Plates or<br>OMG Flat Bottom Metal Plates |                   |                       | l) BP-AA,<br>SBS-TA or  | SBS-AA, SBS-TA or<br>APP-TA |  |
| W-100    | Min. 15/32"<br>Plywood | XtraFlex SBS Glass Base, XtraFlex SBS<br>HT Base 650 (sand top surface) or<br>XtraFlex G2 Base | Min. 1-5/8" Trufast #12 DP or Trufast #14 HD Fasteners with Trufast 3" Metal Insulation Plates   |                   | (Optional<br>SBS-AA   | l) BP-AA or             | SBS-AA, SBS-TA or<br>APP-TA |  |
| W-101    | Min. 15/32"<br>Plywood | XtraFlex APP Glass Base or XtraFlex<br>G2 Base   | Min. 1-5/8" OMG #12 Standard Roofgrip or OMG #14<br>Roofgrip fasteners with OMG 3" Round Metal Plates or<br>OMG Flat Bottom Metal Plates |                   | (Optional             | l) APP-TA               | АРР-ТА                      |  |
|          |                        |  | Base Sheet   | Attachment        | 1                     |                         | l                           |  |
| Design I | Pressure (psf)         | At La  |  |                   | aggered Center Row(s) |                         |                             |  |
|          |                        | Max Spacing (o.c.)   | Min. Lap Width   | Max Spacing (o.c. | )                     | Mir                     | n. # of Rows                |  |
|          | -120.0 6" 4" 6"        |  | 4"   | 6"                |                       |                         | 5                           |  |

- 1. Min. 15/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

|   | inations and installation.       |        |     |   |  |  |  |  |
|---|----------------------------------|--------|-----|---|--|--|--|--|
| TABLE 1L (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  WOOD DECK, NON-INSULATED, BONDED ROOF COVER |                                  |        |     |   |  |  |  |  |
| A [1] M.  | Roof Cover <sup>2</sup>          |        |     |   |  |  |  |  |
| Assembly No.  | Joint Treatment                  | Base   | Ply | Сар   |  |  |  |  |
| W-103   | None                             | SBS-SA | N/A | SBS-SA*, APP-SA* or APP-TA                                    |  |  |  |  |
| Design Pressure (psf)   |                                  | Substr | ate | Primer  |  |  |  |  |
| -90.0   | Min. 19/32" Plywood <sup>1</sup> |        |     | (Optional) XtraFlex 10 or ASTM D41 Primer *Primer is required |  |  |  |  |

### Footnote:

- 1. Min. 19/32" plywood must be attached to the roof framing to meet or exceed the uplift requirements of the IRC and the IBC and be installed as required to resist wind loads. Roof framing must not exceed 24" on center.
- 2. For roof cover installation, refer to Table 1 above.

# **Limitations and Installation:**

| TABLE 2A (CONTINUED): POLYGLASS MODIFIED BITUMEN – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  CONCRETE DECK, NON-INSULATED, BONDED ROOF COVER |        |   |                                  |  |  |  |
|---|--------|---|----------------------------------|--|--|--|
| Roof Cover <sup>1</sup>   |        |   |                                  |  |  |  |
| Assembly No.  | Base   | Ply                                     | Сар                              |  |  |  |
| C-47  | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA     | SBS-SA, APP-SA, SBS-TA or APP-TA |  |  |  |
| Design Pressure (psf)   |        | Substrate                               |                                  |  |  |  |
| -315.0  |        | Approved XtraFlex 10 or ASTM D41 Primer |                                  |  |  |  |

### Footnote:

1. For roof cover installation, refer to Table 1 above.

**Note:** Keep the manufacturer's installation instructions at the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.