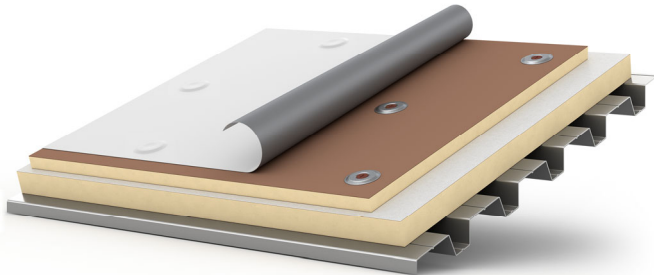


# Submittal Sheet

**EZ TPO InvisiWeld™ Attached Membrane  
Various Decks**

**Roofing System Limited Warranty:  
Up to 20 Years, 55 mph**



- GenFlex™ EZ TPO Membrane
- InvisiWeld Attached with Appropriate Plates and Fasteners
- Cover Board (Optional) – Mechanically Attached
- Insulation – Mechanically Attached
- Steel, Structural Concrete, Wood or
- Metal Building Recover

**Slope Requirement:**

Positive drainage required for warranty.

**Construction Type:**

- New Construction       Complete Tear-off       Recover (Any wet or damaged materials removed prior to installation)

**Building Height Limitation:**

GenFlex EZ TPO InvisiWeld Systems are limited to buildings 120' (36.6 m) or less.

**Air Barrier:**

An air barrier is recommended for projects with large wall openings greater than 10% of the total wall area.

**Vapor Barrier:**

- GenFlex Vapor Shield     4-6 mil poly     Thermal Barrier

\*Thermal barrier required when using Vapor Shield over a Steel Deck on FM Insured or FM Specified projects.

**Base Tie-Ins:**

Must be attached to substrates which provide a minimum of 200 lbf (1 kN) in any direction.

**Increased Wind Speed and Codes:**

Any wind speed coverage exceeding 55 mph (88 km/h) or projects with code requirements must be reviewed by a GenFlex Regional Technical Coordinator.

**Deck Requirement:**

- Minimum ½" (13 mm) Plywood       Minimum 7/16" (11.1 mm) OSB       Minimum 1" (25 mm) Wood Plank  
 Minimum 22 Gauge Steel     Minimum 2,500 psi (17.2 MPa) Structural Concrete, min. 3" (76 mm) thick  
 Metal Building Recover (Purlin Attached)

**Insulation Fasteners and Plates (Based on appropriate deck type):**

- GenFast #15 WH Fasteners and GenFast InvisiWeld / InvisiWeld S Plates  
 GenFast CD-10 Concrete Fasteners and GenFast InvisiWeld / InvisiWeld S Plates  
 GenFast Purlin Fasteners and GenFast InvisiWeld / InvisiWeld S Plates

**Membrane Requirement:**

- GenFlex EZ TPO Membrane, 45 mil (Max. 15-Year Warranty)  
 GenFlex EZ TPO Membrane, 60 mil  
 GenFlex EZ TPO Plus Membrane, 80 mil

**Membrane Attachment (Row Spacing - Purlins):**

- Field: Maximum 10' Row Spacing, Fasteners Spaced 12" o.c.  
 Perimeter and Corner: Maximum 5' Row Spacing, Fasteners Spaced 12" o.c.

**Membrane Fasteners and Plates (Based on appropriate deck type):**

- GenFast InvisiWeld / InvisiWeld S Plates and #15 WH Fasteners  
 GenFast InvisiWeld / InvisiWeld S Plates and CD-10 Concrete Fasteners  
 GenFast InvisiWeld / InvisiWeld S Plates and GenFast Purlin Fasteners and

**Seaming Requirement:**

1.5" Single Weld System (use robot welder). Joint covers are required at all joints and at angle changes 1:12 or greater.

**GenFlex Factory Formed Edge Metal System:**

- GenFlex Coping System       GenFlex Fascia System  
 GenFlex Drip Edge                       GenFlex TPO Skirted Drip Edge

**Non-Factory Formed Edge Conditions:**

- GenFast Termination Bar    GenFlex TPO Coated Metal    GenFlex Approved Detail

**InvisiWeld Attachment Rates for Standard 55 mph Wind Speed (Top Layer, 4' x 8' Board)**

Thickness	Substrate Material	Minimum Fasteners (Field – Perimeter – Corner)
<input type="checkbox"/> 1.0" – 1.4"	<input type="checkbox"/> GenFlex GL ISO or GenFlex ISO or <input type="checkbox"/> GenFlex CG ISO or Coated Glass Facer Polyiso	6 – 8 – 8
<input type="checkbox"/> 1.5" – 1.9"		
<input type="checkbox"/> 2.0" – 4.0"		
<input type="checkbox"/> GenFlex HD Composite ISO		6 – 8 – 8
<input type="checkbox"/> GenFlex HD ISO or GenFlex ½" HD ISO Cover Board		6 – 8 – 8
<input type="checkbox"/> 1/4"	<input type="checkbox"/> SECUROCK® Gypsum-Fiber Roof Board <input type="checkbox"/> SECUROCK UltraLight Coated Glass-Mat Roof Board	6 – 8 – 8
<input type="checkbox"/> 1/2"		
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 1/4"	SECUROCK UltraLight Glass-Mat Roof Board <b>NOTE:</b> Not for use with adhered membrane or insulation adhesives. May be used as insulation layer or thermal barrier layer when fastened through.	6 – 8 – 8
<input type="checkbox"/> 1/2"		
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 1/2"	SECUROCK Cement Roof Board	6 – 8 – 8
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 1/4"		
<input type="checkbox"/> 1/2"	DensDeck® Prime Roof Board	6 – 8 – 8
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 5/8"	DensDeck Prime StormX™ Roof Board	6 – 8 – 8
<input type="checkbox"/> 1/4"	DEXcell® Glass Mat Roof Board <b>NOTE:</b> Not for use with adhered membrane or insulation adhesives. May be used as insulation layer or thermal barrier layer when fastened through.	6 – 8 – 8
<input type="checkbox"/> 1/2"		
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 1/4"	DEXcell FA™ Glass Mat Roof Board	6 – 8 – 8
<input type="checkbox"/> 1/2"		
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 7/16"	DEXcell Cement Roof Board	6 – 8 – 8
<input type="checkbox"/> 5/8"		
<input type="checkbox"/> 5/8"	DEXcell FA VSH™ Glass Mat Roof Board	6 – 8 – 8
<input type="checkbox"/> 1/2"	Structodek® High Density Wood Fiber Board	6 – 8 – 8
<input type="checkbox"/> Insulation Per-Securement with Lateral Row Spacing of Membrane - Attachment into Purlins		Min. 5 per board
<input type="checkbox"/> Insulation Per-Securement with Lateral Row Spacing of Membrane - Attachment into Deck		Min. 5 per board

**NOTE:**

1. Only GenFlex brand products are covered in a Roofing System Limited Warranty.
2. Refer to the GenFlex Technical Database at [www.genflex.com](http://www.genflex.com) for additional information regarding appropriate roof systems and roof system warranty requirements. Review appropriate details and installation requirements based on warranty term requested.
3. It is the installing contractor's responsibility to follow all applicable building codes.
4. Contact GenFlex Technical Services for full warranty requirements.
5. Minimum 1 ½" of insulation over metal deck required for proper operation of welding equipment.
6. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC, SECUROCK is a registered trademark of USG Corporation, Structodek is a registered trademark of Blue Ridge Fiberboard, Inc., and DEXcell is a registered trademark of National Gypsum Company.

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