

# Submittal Sheet

**EZ TPO Attached Membrane  
Lightweight Concrete Deck**

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



- GenFlex™ EZ TPO Membrane
- Mechanically Attached with Appropriate Fastening System
- Cover Board (Optional) – Mechanically Attached or Adhered
- Insulation – Mechanically Attached or Adhered
- Lightweight Concrete Deck

**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 Mechanically Attached 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 2" Lightweight Concrete over 22 Gauge Steel Pan
- Minimum 2" Lightweight Concrete over Structural Concrete
- Minimum 2" Lightweight Concrete with Base Sheet Attachment

**Insulation Fasteners and Plates (Appropriate fastener based on deck type):**

- GenFast #14 Preassembled Screw and Plate (Steel Pan)       GenFast Lite Deck Fasteners and Lite Deck Plates
- GenFast #12 Preassembled Screw and Plate (Steel Pan)
- GenFast CD-10 Concrete Fasteners and GenFast 3" Plates (Structural Concrete)
- GenFast #15 Fasteners and GenFast 3" Insulation Plate (Structural Concrete or Steel Pan)

**Membrane Requirement:**

- GenFlex EZ TPO Membrane, 45 mil (max 15 year)       GenFlex EZ TPO Membrane, 60 mil
- GenFlex EZ TPO Plus Membrane, 80 mil

**Membrane Attachment (Row Spacing):**

- Max 15-Year Warranty, Any Thickness, Maximum 12' Row Spacing, Fasteners Spaced Maximum 12" o.c.
- 20-Year Warranty, EZ TPO (45 mil), Maximum 12' Row Spacing, Fasteners Spaced Maximum 6" o.c.
- 20-Year Warranty, EZ TPO (min. 60 mil), Maximum 12' Row Spacing, Fasteners Spaced Maximum 12" o.c.

**Membrane Fasteners and Plates (Appropriate fastener based on deck type):**

- GenFast #15 WH Fasteners and 2 3/8" WH Seam Plates (Structural Concrete or Steel Pan)
- GenFast CD-10 Concrete Fasteners and Plates (Structural Concrete)

**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

Substrate Attachment Rates for Standard 55 mph Wind Speed (Top Layer, 4' x 8' Board)		
Thickness	Substrate Material	Minimum Fasteners
<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	5
<input type="checkbox"/> 1.5" – 1.9"		5
<input type="checkbox"/> 2.0" – 4.0"		5
<input type="checkbox"/> 1.5" – 1.9"	<input type="checkbox"/> GenFlex NB ISO or NailBase Composite Board / <input type="checkbox"/> OSB / <input type="checkbox"/> Plywood (Plate and Fastener)	5
<input type="checkbox"/> 2.0" – 4.0"		5
<input type="checkbox"/> GenFlex NB ISO or NailBase Composite Board / OSB / Plywood		5
<input type="checkbox"/> GenFlex HD Composite ISO		5
<input type="checkbox"/> GenFlex HD ISO or GenFlex ½" HD ISO Cover Board		5
<input type="checkbox"/> 1/4"	<input type="checkbox"/> SECUROCK® Gypsum-Fiber Roof Board <input type="checkbox"/> SECUROCK UltraLight Coated Glass-Mat Roof Board	5
<input type="checkbox"/> 1/2"		5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 1/4"	SECUROCK UltraLight Glass-Mat Roof Board	5
<input type="checkbox"/> 1/2"	<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.	5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 1/2"	SECUROCK Cement Roof Board	5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 1/4"	DensDeck® Prime Roof Board	5
<input type="checkbox"/> 1/2"		5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 5/8"	DensDeck Prime StormX™ Roof Board	5
<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.	5
<input type="checkbox"/> 1/2"		5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 1/4"	DEXcell FA™ Glass Mat Roof Board	5
<input type="checkbox"/> 1/2"		5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 7/16"	DEXcell Cement Roof Board	5
<input type="checkbox"/> 5/8"		5
<input type="checkbox"/> 5/8"	DEXcell FA VSH™ Glass Mat Roof Board	5
<input type="checkbox"/> 1/2"	Structodek® High Density Wood Fiber Board	5
<input type="checkbox"/> 1/2"	Alleguard Fanfold Rigid Board Insulation (max. 20-year warranty, Re-Cover only)	5 per 32 sq. ft.
<b>NOTE:</b> <ol style="list-style-type: none"> <li>Only GenFlex brand products are covered in a GenFlex Roof System Warranty.</li> <li>Refer to the GenFlex Technical Database at <a href="http://www.genflex.com">www.genflex.com</a> for additional information regarding appropriate roof systems and roof system warranty requirements. Review appropriate details and installation requirements based on warranty term requested.</li> <li>It is the installing contractor's responsibility to follow all applicable building codes.</li> <li>Contact GenFlex Technical Services for full warranty requirements.</li> <li>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. of National Gypsum Company.</li> </ol>		

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