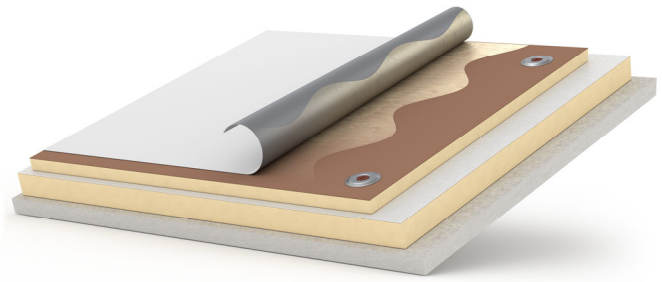
Submittal Sheet

EZ TPO Adhered Membrane
Lightweight Concrete Deck

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



- **GenFlex™ EZ TPO Membrane**
- **Adhered with appropriate Bonding Adhesive**
- **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 Adhered Systems are limited to buildings 250' (76.2 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 #15 WH Fasteners and GenFast 3" Insulation Plates (Steel Pan or Structural Concrete)
❒ GenFast CD-10 Concrete Fasteners and GenFast 3" Plates (Structural Concrete)
❒ GenFast Lite Deck Fasteners and GenFast Lite Deck Plates (Base Sheet Only*)
***NOTE**: Substrate must be Lightweight Structural Concrete

Insulation Adhesive*:
❒ GenFlex ISO Bond Insulation Adhesive ❒ GenFlex One Step Insulation Adhesive ❒ Asphalt Type III or IV**
❒ GenFlex Quick Dual™
***NOTE:** Project specifications or tested assembly requirements may prohibit adhesive attachment of 4'x8' boards
**Board to Board only, direct attachment to deck not allowed

Insulation Adhesive Attachment:

Max. 15 Year Warranty:	**20 Year Warranty:**
❒ Bead Spacing: F: 12", P: 12", C: 12"	❒ Bead Spacing: F: 12", P: 6", C: 6" ❒ Full Coverage

Membrane Requirement:
❒ GenFlex EZ TPO Membrane, 45 mil (max 15 year) ❒ GenFlex EZ TPO Membrane, 60 mil
❒ GenFlex EZ TPO Plus Membrane, 80 mil

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 Membrane Adhesive:
❒ EZ TPO Bonding Adhesive ❒ EZ TPO Bonding Adhesive LVOC ❒ GenFlex Quick Jet™

GenFlex Factory Formed Edge Metal System:
❒ GenFlex Coping System ❒ GenFlex Fascia System ❒ GenFlex Drip Edge ❒ GenFlex TPO Skirted Drip Edge

AMRIZE

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
❒ 1.0" – 1.4"	❒ GenFlex GL ISO or GenFlex ISO or ❒ GenFlex CG ISO or Coated Glass Facer Polyiso	16
❒ 1.5" – 1.9"		12
❒ 2.0" – 4.0"		8
❒ 1.5" – 1.9"	❒ GenFlex NB ISO or NailBase Composite Board / ❒ OSB / ❒ Plywood (Plate and Fastener)	12
❒ 2.0" – 4.0"		8
❒ GenFlex NB ISO or NailBase Composite Board / OSB / Plywood		16
❒ GenFlex HD Composite ISO		12
❒ GenFlex HD ISO or GenFlex ½" HD ISO Cover Board		12
❒ 1/4"	❒ SECUROCK® Gypsum-Fiber Roof Board ❒ SECUROCK UltraLight Coated Glass-Mat Roof Board	10
❒ 1/2"		8
❒ 5/8"		8
❒ 1/4"	SECUROCK UltraLight Glass-Mat Roof Board **NOTE:** Not for use with adhered membrane or insulation adhesives. May be used as insulation layer or thermal barrier layer when fastened through.	10
❒ 1/2"		8
❒ 5/8"		8
❒ 1/2"	SECUROCK Cement Roof Board	8
❒ 5/8"		8
❒ 1/4"	DensDeck® Prime Roof Board	12
❒ 1/2"		8
❒ 5/8"		8
❒ 5/8"	DensDeck Prime StormX™ Roof Board	8
❒ 1/4"	DEXcell® Glass Mat Roof Board **NOTE:** Not for use with adhered membrane or insulation adhesives. May be used as insulation layer or thermal barrier layer when fastened through.	12
❒ 1/2"		8
❒ 5/8"		8
❒ 1/4"	DEXcell FA™ Glass Mat Roof Board	12
❒ 1/2"		8
❒ 5/8"		8
❒ 7/16"	DEXcell Cement Roof Board	10
❒ 5/8"		8
❒ 5/8"	DEXcell FA VSH™ Glass Mat Roof Board	8
❒ 1/2"	Structodek® High Density Wood Fiber Board	16

NOTE:
1. Only GenFlex brand products are covered in a GenFlex Roof System Warranty.
2. Refer to the GenFlex Technical Database at 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. 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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