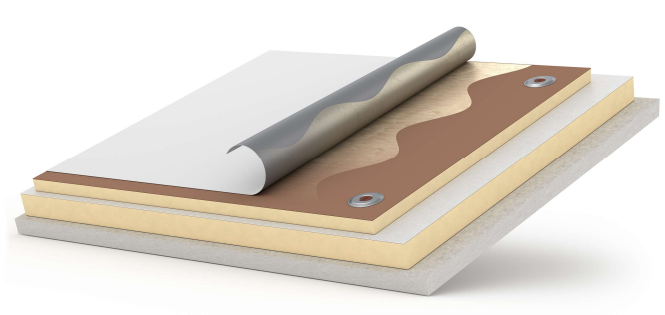
QuickSpec

UltraPly™ TPO Adhered Membrane Lightweight Concrete Deck	Red Shield™ Warranty: Up to 30 Years, 55 mph



- **Elevate™ UltraPly Platinum™ TPO Membrane**
- **Adhered with appropriate Bonding Adhesive**
- **Cover Board – Mechanically Attached or Adhered**
  - **(Optional for Platinum and Platinum P, Adhered Required for Platinum PH and Platinum PHW)**
- **Insulation – Mechanically Attached or Adhered**
- **Lightweight Concrete Deck**

Slope Requirement:
Positive drainage required for warranty.

Construction Type:
❒ New Construction ❒ Complete Tear-off

Building Height Limitation:
Elevate UltraPly 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 Retarder/Barrier:
❒ V-Force™ FR* ❒ V-Force* ❒ 4-6 mil poly* ❒ Thermal Barrier
*Must be fastened through if direct to deck. Thermal barrier required when using V-Force 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 Elevate 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

Base Sheet Fasteners (if required):
❒ Elevate 1.7" LWC Base Ply Fasteners (Base Sheet Attachment Only)
❒ Elevate 2-Piece Impact Nail Fasteners (Base Sheet Attachment Only)

Insulation Fasteners and Plates (Appropriate fastener based on deck type):
❒ Heavy Duty Fasteners and Insulation Plates (Steel Pan)
❒ Concrete Drive Fastener and Insulation Plates (Structural Concrete)

Insulation Adhesive*:
❒ I.S.O. Twin Pack™ ❒ I.S.O. Spray™ R ❒ I.S.O. Stick™ ❒ Twin Jet ❒ Twin Jet Y
***NOTE:** Max. 4' x 4' boards must be used when attaching insulation with adhesives. Cleaning of the metal deck may be required to remove processing oils.

Insulation Adhesive Attachment:
❒ Bead Spacing: F: 12", P: 6", C: 4" ❒ Full Coverage

Membrane Requirement:
❒ UltraPly Platinum TPO, 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.

Elevate Membrane Adhesive:
❒ Jet Bond Spray Adhesive ❒ Single-Ply LVOC Bonding Adhesive
❒ UltraPly Bonding Adhesive

Elevate Factory Formed Edge Metal System:
❒ Coping System (QS-EDGE METAL-901) ❒ Fascia System (QS-EDGE METAL-902)
❒ Water Control (QS-EDGE METAL-903) ❒ Wood Nailer Alternative (QS-EDGE METAL-904)

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Non-Factory Formed Edge Conditions:
❒ Elevate Drain Bar ❒ Elevate Termination Bar ❒ Elevate TPO Coated Metal ❒ Elevate Approved Detail

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

Thickness	Substrate Material	Minimum Fasteners	
		4' x 8'	4' x 12'*
See Board Size	❒ ISOGARD GL* / ISO 95+ GL* or ❒ ISOGARD CG / Resista **NOTE:** 4x12 boards available in limited thickness. See Technical Information Sheet (TIS) for more information.		
❒ 1.0" – 1.4"		16	24
❒ 1.5" – 1.9"		16	24
❒ 2.0" – 4.0"		16	24
❒ 1.5" – 1.9"	❒ ISOGARD HG / HailGard Composite / ❒ OSB / ❒ Plywood (Plate and Fastener)	16	
❒ 2.0" – 4.0"		16	
❒ ISOGARD HG / HailGard Composite / OSB / Plywood (HailGard Fastener)		16	
❒ ISOGARD HD Composite		16	
❒ ISOGARD HD Cover Board		16	
❒ 1/4"	❒ SECUROCK® Gypsum-Fiber Roof Board ❒ SECUROCK UltraLight Coated Glass-Mat Roof Board	16	
❒ 1/2"		16	
❒ 5/8"		16	
❒ 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.	16	
❒ 1/2"		16	
❒ 5/8"		16	
❒ 1/2"	❒ SECUROCK Cement Roof Board	16	
❒ 5/8"		16	
❒ 5/8"	SECUROCK Weather Defense Roof Board	16	
❒ 1/4"	DensDeck® Prime Roof Board	16	
❒ 1/2"		16	
❒ 5/8"		16	
❒ 5/8"	DensDeck Prime StormX™ Roof Board	16	
❒ 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.	16	
❒ 1/2"		16	
❒ 5/8"		16	
❒ 1/4"	DEXcell FA™ Glass Mat Roof Board	16	
❒ 1/2"		16	
❒ 5/8"		16	
❒ 7/16"	DEXcell Cement Roof Board	16	
❒ 5/8"		16	
❒ 5/8"	DEXcell FA VSH™ Glass Mat Roof Board	16	

NOTE:
1. Only Elevate brand products are covered in a Red Shield Warranty.
2. Refer to the Elevate Technical Database at www.elevatecommercialbp.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 Elevate 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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