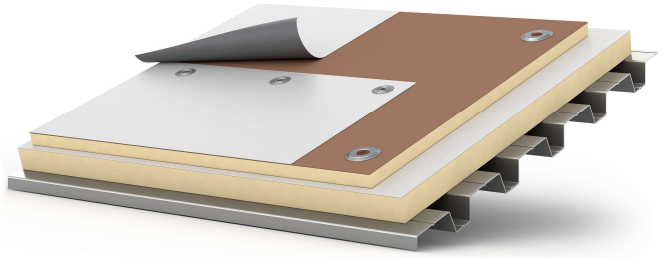
QuickSpec

UltraPly™ TPO Attached Membrane Steel Deck	Red Shield™ Warranty: Up to 20 Years, 55 mph



- Elevate™ UltraPly TPO Membrane
- Mechanically Attached with Appropriate Fastening System
- Cover Board (Optional) – Mechanically Attached or Adhered
- Insulation – Mechanically Attached or Adhered
- Steel 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:
UltraPly™ 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:
❒ V-Force™ FR ❒ V-Force* ❒ 4-6 mil poly ❒ Thermal Barrier
*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 22 Gauge Steel

Insulation Fasteners and Plates:
❒ Heavy Duty Fasteners and Insulation Plates ❒ HailGard™ Fastener (with HailGard Composite Board or OSB only)
❒ All Purpose Fasteners and Insulation Plates ❒ Elevate #12 Fasteners and Insulation Plates
❒ Pre-Assembled #12 Fastener and Plate ❒ IsoFast #12 Belted Fasteners and Insulation Plates
❒ AP AccuTrac Kit

Membrane Requirement:
❒ UltraPly TPO, 45 mil ❒ UltraPly TPO, 60 mil ❒ UltraPly Platinum TPO, 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, UltraPly TPO (45 mil), Maximum 8' Row Spacing, Fasteners Spaced Maximum 6" o.c.
❒ 20-Year Warranty, UltraPly TPO (min. 60 mil), Maximum 12’ Row Spacing, Fasteners Spaced Maximum 12" o.c.

Membrane Fasteners and Plates:
❒ Heavy Duty Fasteners and Plates
❒ Heavy Duty Plus Fasteners and Plates

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 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)

Elevate ES-1 Cleat Program Metal Offering (5 – 20 Year Warranty):
❒ Drip Edge ❒ Gravel Stop ❒ Flat Coping ❒ Snap-On Coping ❒ Snap-On Fascia ❒ Tapered Coping

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

AMRIZE

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

Thickness	Substrate Material	Minimum Fasteners	
See Board Size	❒ ISOGARD GL* / ISO 95+ GL*	4' x 8'	4' x 12'*
❒ 1.0" – 1.4"	or	5	6
❒ 1.5" – 1.9"	❒ ISOGARD CG / Resista	5	6
❒ 2.0" – 4.0"	**NOTE:** 4x12 boards available in limited thickness. See Technical Information Sheet (TIS) for more information.	5	6
❒ 1.5" – 1.9"	❒ ISOGARD HG / HailGard Composite / ❒ OSB / ❒ Plywood (Plate and Fastener)	5	
❒ 2.0" – 4.0"		5	
❒ ISOGARD HG / HailGard Composite / OSB / Plywood (HailGard Fastener)		5	
❒ ISOGARD HD Composite		5	
❒ ISOGARD HD Cover Board		5	
❒ 1/4"	❒ SECUROCK® Gypsum-Fiber Roof Board ❒ SECUROCK UltraLight Coated Glass-Mat Roof Board	5	
❒ 1/2"		5	
❒ 5/8"		5	
❒ 1/4"	SECUROCK UltraLight Glass-Mat Roof Board	5	
❒ 1/2"	**NOTE:** Not for use with adhered membrane or insulation adhesives.	5	
❒ 5/8"	May be used as insulation layer or thermal barrier layer when fastened through.	5	
❒ 1/2"	SECUROCK Cement Roof Board	5	
❒ 5/8"		5	
❒ 1/4"	DensDeck® Prime Roof Board	5	
❒ 1/2"		5	
❒ 5/8"		5	
❒ 5/8"	DensDeck Prime StormX™ Roof Board	5	
❒ 1/4"	DEXcell® Glass Mat Roof Board	5	
❒ 1/2"	**NOTE:** Not for use with adhered membrane or insulation adhesives.	5	
❒ 5/8"	May be used as insulation layer or thermal barrier layer when fastened through.	5	
❒ 1/4"	DEXcell FA™ Glass Mat Roof Board	5	
❒ 1/2"		5	
❒ 5/8"		5	
❒ 7/16"	DEXcell Cement Roof Board	5	
❒ 5/8"		5	
❒ 5/8"	DEXcell FA VSH™ Glass Mat Roof Board	5	
❒ 1/2"	Structodek® High Density Wood Fiber Board	5	
❒ 1/2"	Alleguard Fanfold Rigid Board Insulation (max. 20-year warranty, Re-Cover only)	5 per 32 sq. ft.	

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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