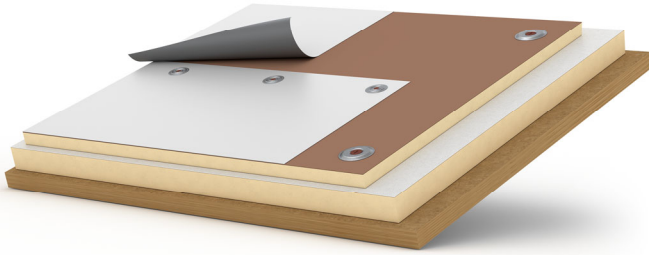




UltraPly™ TPO Attached Membrane Wood Deck

**Red Shield™
Warranty Term
Up to 25 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
- Wood Deck

Consult Elevate Technical Specifications, Guides and Details at www.HolcimElevate.com

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™ and Thermal Barrier V-Force w/o Thermal Barrier* 4-6 mil poly

*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 Holcim Regional Technical Coordinator.

Deck Requirement:

Minimum ½" (13 mm) Plywood Minimum 7/16" (11.1 mm) OSB Minimum 1" (25 mm) Wood Plank

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

Membrane Requirement:

UltraPly TPO, 60 mil UltraPly Platinum™ TPO, 80 mil

Membrane Attachment (Row Spacing):

25-Year Warranty, UltraPly TPO (60 mil), Maximum 12' Row Spacing, Fasteners Spaced Maximum 6" o.c.

Membrane Fasteners and Plates:

Heavy Duty Fasteners and Plates
 Heavy Duty Plus Fasteners and Plates
 All Purpose 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.

Edge Metal System

Elevate Factory Formed Edge Metal Fascia or Coping System
 Elevate Drain Bar Elevate Termination Bar Elevate TPO Coated Metal

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"/> ISOGARD GL / ISO 95+ GL or <input type="checkbox"/> ISOGARD CG / Resista	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"/> ISOGARD HG / HailGard Composite / <input type="checkbox"/> OSB / <input type="checkbox"/> Plywood (Plate and Fastener)	5
<input type="checkbox"/> 2.0" – 4.0"		5
<input type="checkbox"/> ISOGARD HG / HailGard Composite / OSB / Plywood (HailGard Fastener)		5
<input type="checkbox"/> ISOGARD HD Composite		5
<input type="checkbox"/> ISOGARD HD Cover Board		5
<input type="checkbox"/> 1/4"	<input type="checkbox"/> SECUROCK® Brand Gypsum-Fiber Roof Board	5
<input type="checkbox"/> 1/2"		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"/> 1/2" Structodek® High Density Wood Fiber Board (max. 15-year warranty)		5
Detail Description		
Wall Terminations:	Elevate Termination Bar with AP Sealant applied along the caulk lip. Surface mounted or inserted counter flashing may also be used in accordance with current Elevate 30-year details.	
Curb & Wall Flashings:	Curbs, walls, and expansion joints must be anchored with appropriate base tie-in detail, using HD Seam Plates and HD Fasteners. Curbs and walls must be flashed using a minimum 0.060" UltraPly TPO Membrane, or UltraPly TPO 18" Curb Flashing, per current Elevate 30-year details. Flashings may be sealed with welded details only. Details may include UltraPly TPO Coated Metal.	
Corners:	UltraPly TPO Inside/Outside Corners, per current Elevate 30-year details.	
Roof Edges / Parapets:	Elevate Factory Formed Edge Metal or Coping System completed per Current Red Shield 30-year details. NOTE: See Attachment Guide for more information.	
Penetrations:	Flash with UltraPly Pipe Flashing, UltraPly TPO Penetration Pocket, or field fabricate with UltraPly TPO Unsupported Flashing per current Elevate 30-year details.	
NOTE:		
<ol style="list-style-type: none"> 1. Only Elevate brand products are covered in a Red Shield warranty. 2. Refer to the Elevate Technical Database at www.HolcimElevate.com for additional information regarding appropriate Roof Systems. 3. It is the installing contractor's responsibility to follow all applicable building codes. 4. Contact Holcim 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, and Structodek is a registered trademark of Blue Ridge Fiberboard, Inc. 		

Please contact Holcim Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Holcim representative is authorized to vary this disclaimer.