

Cover Board Options

High-Density Polyisocyanurate Cover Boards

Cover Board	Thickness	Direct Membrane Attachment
VersiCore HD	½"	Mechanically-Fastened
SecurShield HD	½"	Mechanically-Fastened Fully-Adhered
SecurShield HD Plus	½"	Fully-Adhered
SecurShield HD RL	½"	Hook & Loop

Gypsum Cover Boards

DensDeck™	¼", ½", ⅝"	Mechanically-Fastened
DensDeck Prime	¼", ½", ⅝"	Fully-Adhered Mechanically-Fastened
SECUROCK™ Glass-Mat	¼", ⅜", ½", ⅝"	Mechanically-Fastened
SECUROCK Coated Glass-Mat	¼", ½", ⅝"	Fully-Adhered Mechanically-Fastened
SECUROCK Gypsum Fiber	¼", ⅜", ½", ⅝"	Fully-Adhered Mechanically-Fastened

Composite Cover Boards

SecurShield HD Composite (HD Polyiso & Polyiso)	1 ½"-4 ½"	Fully-Adhered Mechanically-Fastened
DuraFaceR® Composite (OSB & Polyiso)	1 ½"-4 ½"	Fully-Adhered Mechanically-Fastened
SecurShield HD EPS Composite (HD Polyiso & Expanded Polystyrene)	1 ½"-6"	Fully-Adhered Mechanically-Fastened



Installation Requirements

- Insulation should be protected from flame and kept dry at all times
- Install only as much insulation as can be covered the same day by roof-covering material
- Never leave more than a ¼" gap between insulation boards
- Never put an insulation fastener less than 6" from a board edge

Installation Recommendations

- Install insulation in a minimum of 2 layers to reduce thermal loss
- Stagger insulation joints a minimum of 6" from subsequent and adjacent insulation joints
- Make square cuts on insulation boards to reduce gapping issues
- Remove dust and debris from insulation surfaces before membrane installation

Storage Recommendations

1. Store bundles flat and upright with the bottom of the bundles elevated 2" or more above a finished surface.
2. Slit the bundle packaging vertically down the center of the two short sides to prevent moisture accumulation within the package.
3. Completely cover the bundle with a waterproof tarp and secure to prevent wind damage and/or displacement.



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Insulation Field Guide

Insulation Options

Polyisocyanurate Insulation Glass Reinforced Felt (GRF) Facers

Insulation	Thickness	Direct Membrane Attachment
VersiCore	½" – 4 ½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted
VersiCore NH	½" – 4 ½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted
VersiCore RL™	2", 2.6"	Hook & Loop

Polyisocyanurate Insulation Coated Glass Facers (CGF)

SecurShield™	½" – 4 ½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted
SecurShield NH	½" – 4 ½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted
SecurShield RL	2", 2.6"	Hook & Loop

Expanded Polystyrene (EPS)

InsulFoam Flat	½" – 40" (available in taper)	Mechanically-Fastened
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Extruded Polystyrene (XPS)

Owens Corning FOAMULAR®	½" – 4" (available in taper)	Mechanically-Fastened
Dow DECKMATE™ Plus	1" – 4" (available in taper)	Mechanically-Fastened
Kingspan GreenGuard®	1" – 4" (available in taper)	Mechanically-Fastened

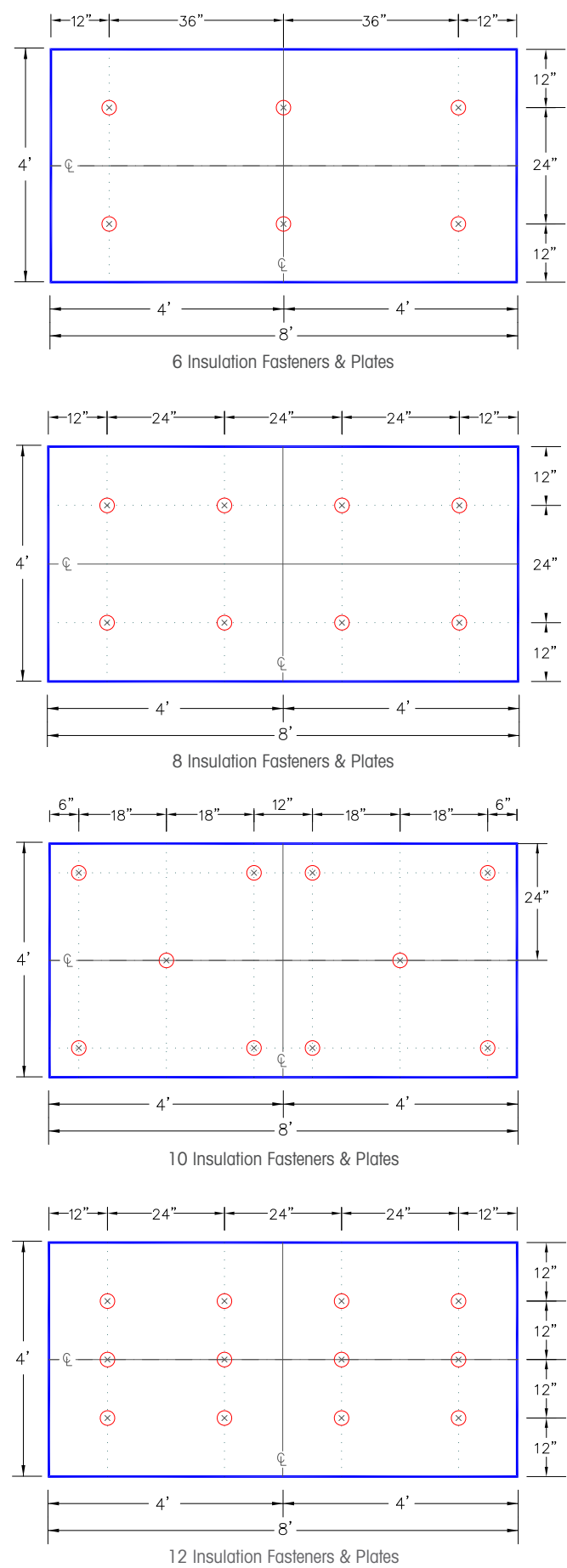
Vacuum Insulated Panels (VIP)

OPTIM-R®	40mm (1.6")	N/A
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Mineral Wool

TOPROCK® DD	2" – 6"	N/A
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Fastening



Adhered Membranes

Top Layer Fastening for Field

- Decking: 22 gauge steel, structural concrete, 1.5" wood plank, ¾" plywood
- Building height: Less than 50 ft.

Up to 20 year warranty (# Fasteners per 4' x 8' Board)

55\72 MPH	<ul style="list-style-type: none">• 1" 20psi Polyiso (16)• 1½" 20psi Polyiso (10)• 2" 20psi Polyiso (8)• ½" SecurShield HD (12)• ½" SecurShield HD Plus (8)• 2" SecurShield HD Comp (6)• DuraFaceR (8)• ¼" DensDeck Prime (12)• ¼" SECUROCK Gypsum Fiber/Coated Glass-Mat (12)• ½" DensDeck Prime (8)• ½" SECUROCK Gypsum Fiber/Coated Glass-Mat (8)• ½" DuraStorm VSH (8)
80 MPH	<ul style="list-style-type: none">• 1½" 25psi Polyiso (10)• 2" 25psi Polyiso (8)• 2" 20psi SecurShield (8)• ½" SecurShield HD (16)• ½" SecurShield HD Plus (8)• 2" SecurShield HD Comp (6)• DuraFaceR (8)• ½" DensDeck Prime (8)• ½" SECUROCK Gypsum Fiber/Coated Glass-Mat (8)• ½" DuraStorm VSH (8)
90 MPH	<ul style="list-style-type: none">• 1½" SecurShield (16)• 2" SecurShield (8)• ½" SecurShield HD (16)• ½" SecurShield HD Plus (12)• 2" SecurShield HD Comp (8)• DuraFaceR (8)• ½" DensDeck Prime (12)• ½" SECUROCK Gypsum Fiber/Coated Glass-Mat (12)• ½" DuraStorm VSH (12)
100 MPH	<ul style="list-style-type: none">• 2" 25psi SecurShield (16)• ½" SecurShield HD Plus (16)• 2" SecurShield HD Comp (16)• DuraFaceR (16)• ⅝" DensDeck Prime (16)• ⅝" SECUROCK Gypsum Fiber/Coated Glass-Mat (16)• ½" DuraStorm VSH (16)
110 MPH	<ul style="list-style-type: none">• ½" SecurShield HD Plus (16)• 2" SecurShield HD Comp (16)• DuraFaceR (16)• ⅝" DensDeck Prime (16)• ⅝" SECUROCK Gypsum Fiber/Coated Glass-Mat (16)• ½" DuraStorm VSH (16)
120 MPH	<ul style="list-style-type: none">• ½" SecurShield HD Plus (24)• 2" SecurShield HD Comp (16)• DuraFaceR (16)• ⅝" DensDeck Prime (16)• ⅝" SECUROCK Gypsum Fiber/Coated Glass-Mat (16)• ½" DuraStorm VSH (16)

This data and information is intended as a general guide and should not be used as a project specific, specification guideline.

Adhered Membranes

Top Layer Polyurethane Attachment

- Decking: structural concrete and lightweight structural concrete
- Building height: Less than 50 ft.

Up to 20 Year Warranty
Bead Spacing for Field (F) and Perimeter (P)

	F	P
55, 72, or 80 MPH	12"	6"
90 MPH	6"	6"
100 MPH	Full Spray	Full Spray
110 MPH	Full Spray	Full Spray
120 MPH	Full Spray	Full Spray

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Fastening

