

Carlisle Cover Boards

COVER BOARD	DESCRIPTION	THICKNESS	MEMBRANE ATTACHMENT	FM 1-90 APPROVAL (FASTENERS PER 4' X 8' BOARD)	NOTES
Polyisocyanurate Cover Boards - ASTM C 1289 Type II, Class 4, Grade 1					
InsulBase® HD (ASTM C 1289 Type II, Class 1, Grade 3)	HD Polyiso	½"	MF	N/A	Induction-welded and mechanically-fastened systems only
SecurShield™ HD		½"	FA MF	16 fasteners/board	R-2.5, Coated-Glass Faced (CGF) insulating cover board
SecurShield HD Plus		½"	FA MF	8 fasteners/board	Reduced fastening option
Gypsum Cover Boards – ASTM C1177					
DensDeck™	Gypsum	¼", ½", ⅝"	MF	N/A	Mechanically-fastened single-ply systems only
DensDeck Prime		¼", ½", ⅝"	FA MF	12, 10, 8 fasteners/board respectively	Designed for adhered single-ply
DEXcell® Glass Mat		¼", ½", ⅝"	MF	N/A	Mechanically-fastened single-ply systems
SECUROCK™ Glass-Mat		¼", ⅜", ½", ⅝"	MF	N/A	Mechanically-fastened single-ply systems only
DEXcell FA® Glass Mat		¼", ½", ⅝"	FA MF	12, 10, 8 fasteners/board respectively	Designed for adhered single-ply systems
SECUROCK Gypsum Fiber (ASTM C 1278)		¼", ⅜", ½", ⅝"	FA MF	16, 16, 10, 8 fasteners/board respectively	Reduced fastening available with SecurFAST™ plate (10, 8, 8, and 6 fasteners/board respectively)
Composite Cover Boards					
SecurShield HD Composite	HD Polyiso & Polyiso	1½" – 4½"	FA MF	6 fasteners/board (2" min thickness)	Highest performing polyiso product
StormBase™ Composite (OSB)	OSB & Polyiso	1½" – 4½"	FA MF	8 fasteners/board (2" min thickness)	Achieves FM's Very Severe Hail (VSH) with appropriate membrane
SecurShield HD EPS Composite	HD Polyiso & Expanded Polystyrene	1½" – 6"	FA MF	16 fasteners/board	Contains recycled materials
Other					
EcoStorm VSH	Recycled	½"	FA MF	8 fasteners/board	Achieves FM's Very Severe Hail (VSH) with appropriate membrane
DEXcell Cement Board	Cement	⅝", ⅞"	MA	6 fasteners/board	Fully adhered or mechanically fastened single-ply systems
R-Tech® Fan Fold (ASTM C 578)	EPS - Expanded Polystyrene	½"	MF	N/A	Mechanically-fastened single-ply systems only
PB6 Roofing Cover Board (ASTM C 578)	XPS - Extruded Polystyrene	⅜"	MF	N/A	Mechanically-fastened single-ply systems only
Blue Ridge Fiberboard® Structodeck® (ASTM C 208 Type II)	Wood Fiber	½" – 1"	FA MF	16 fasteners/board	Up to 84% pre-consumer recycled wood fibers

KEY

Membrane Attachment

FA = Fully-Adhered

MF = Mechanically-Fastened

This data and information is intended as a product reference and should not be used as spec guideline.



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