

Cover Board Quick Reference Guide

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					
VersiCore® 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
SECUROCK™ Glass-Mat		¼", ⅜", ½", ⅝"	MF	N/A	Mechanically-fastened single-ply systems only
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
DuraFaceR® 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					
DuraStorm VSH	Recycled	½"	FA MF	8 fasteners/board	Achieves FM's Very Severe Hail (VSH) with appropriate membrane
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
HP Recovery Board (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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