

SIKA CORPORATION • ROOFING

FASTENER SELECTION GUIDE

Fastener -	Deck Type									Insulation or Cover Board Attachment	Membrane Attachment	Lengths Available
	Purlins or Steel 12-16 ga	Steel 18-20 ga	Steel 22-24 ga	Wood Planks min. 1-1/2"	Wood Sheathing ⁽¹⁾ min. 1/2"	Structural Concrete	LWIC (cellular insulated concrete)	CWF (cementitious wood fiber)	Gypsum			
#12		●	●	●	● ⁽³⁾		N/A ⁽²⁾			Plate, Low Profile	N/A	1-5/8" - 8"
#14				●	● ⁽³⁾	● ⁽³⁾	-			Plate, Low Profile	XPN, RhinoBond, Sarnabar, Sarnarail, Sikaplan Disc	1-1/4" - 14"
#15		●	●	●	● ⁽³⁾		-			Plate, Low Profile	XPN, RhinoBond, Sarnabar, Sarnarail, Sikaplan Disc	2" - 20"
MAXLoad (#21)			●		● ⁽³⁾		-			N/A	MAXLoad, RhinoBond MAXLoad, Sarnarail	2" - 12"
RetroDriller	●						-			Plate, Low Profile	XPN, RhinoBond, Sarnabar, Sikaplan Disc	4" - 10"
CD-10						● ⁽³⁾	-			Plate	XPN, Sarnabar, Sikaplan Disc	2" - 12"
Polymer GypTec							-	● ⁽³⁾	● ⁽³⁾	3" GypTec	2" Sarnadisc GypTec ⁽⁹⁾	2-1/2" - 12"
Lite-Deck							-	● ⁽³⁾	● ⁽³⁾	3" Lite-Deck	N/A	2-5/8" - 12"
Min. Penetration or Embedment	1"	1"	1"	1"	⁽⁴⁾ 1/2"	1"	-	2"	2"			
Pilot Hole Diameter / Depth	-	-	-	-	-	⁽⁵⁾ / ⁽⁸⁾ + 1/2"	-	⁽⁶⁾ / ⁽⁸⁾ + 1/2"	⁽⁷⁾ / ⁽⁸⁾ + 1/2"			

⁽¹⁾ OSB and 5-ply Plywood

⁽²⁾ There is no threaded fastener available for use within LWIC, fastener must fasten into structural deck holding LWIC.

⁽³⁾ Pullout tests required prior to job bid, performed by an OMG representative, needed to determine pullout values and pilot hole size on the following decks: new and existing Concrete, CWF, and Gypsum as well as existing Wood Sheathing⁽¹⁾ min 1/2".

⁽⁴⁾ Fastener must penetrate through the deck underside at least 1/2".

⁽⁵⁾ When using the #14, a pilot hole of 3/16" is required. When using the CD-10, a pilot hole of 7/32" is required.

⁽⁶⁾ Depending on CWF manufacturer and makeup, some decks require a pilot hole, shall be determined by OMG representative performing pullout tests.

⁽⁷⁾ Pilot hole diameter will either be 7/16", 1/2", or 9/16", as determined by pullout test results.

⁽⁸⁾ Minimum of 1/2" deeper than embedment, but never to penetrate the underside of the deck.

⁽⁹⁾ Only approved for use with maximum 5' wide membrane.