

SIKA CORPORATION • ROOFING

FASTENER SELECTION GUIDE FOR PVC ROOFING

Fastener -	Deck Type									Insulation or Cover Board Attachment	Membrane Attachment	Lengths Available
	Purlins or Steel 12-16 ga	Steel 18-24 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, Induction Weld, Sarnabar, Sarnarail, Sikaplan Disc	1-1/4" - 14"
#15	-	●	●	●	● ⁽³⁾	-	-	-	-	Plate, Low Profile	XPN, Induction Weld, Sarnabar, Sarnarail, Sikaplan Disc	2" - 20"
MAXLoad (#21)	-	-	●	-	● ⁽³⁾	-	-	-	-	N/A	MAXLoad, RhinoBond MAXLoad, Sarnarail	2" - 12"
RetroDriller	●	-	-	-	-	-	-	-	-	Plate, Low Profile	XPN, Induction Weld, 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"
CR Base Sheet Fastener	-	-	-	-	-	-	●	●	●	2.75" Base Sheet Attachment	N/A	1.2" / 1.75"
OlyLok Locking Impact Nail	-	-	-	-	-	-	●	-	-	2.7" Base Sheet & Recovery Board Attachment	N/A	1.4" / 1.8"
Min. Penetration or Embedment	1"	1"	1"	1"	⁽⁴⁾ 1-1/2"	1"	-	2"	2"			
Pilot Hole Diameter / Depth	-	-	-	-	-	⁽⁵⁾ / ⁽⁸⁾ + 1/2"	-	⁽⁶⁾ / ⁽⁸⁾ + 1/2"	⁽⁷⁾ / ⁽⁸⁾ + 1/2"			

⁽¹⁾ OSB and 1/2" minimum Plywood

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

⁽³⁾ Pullout tests may be required prior to job bid, performed by an fastener manufacturer, needed to determine pullout values and pilot hole size on the following decks: new and existing Concrete, CWF, and Gypsum

⁽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 h

⁽⁶⁾ Depending on CWF manufacturer and makeup, some decks require a pilot hole, shall

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

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

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

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