

TPO Membrane Attachment Table for Mechanically Attached Systems

(10' field sheets, except when noted)

Deck Type	Minimum Pull-Out Values (lbs)	Fastener Type	Plate	Penetration	Standard Pattern	90 psf* Pattern
22 ga. Standard (33 ksi)	450	#15	2 3/8" barbed	3/4" through the deck	12" o.c.	6" o.c.
	450	#15	2" double barbed	3/4" through the deck	12" o.c.	6" o.c.
	450	#15	2 3/4" double barbed	3/4" through the deck	12" o.c.	6" o.c.
	350	#14	2 3/8" barbed	3/4" through the deck	6" o.c.	
	350	#14	2" double barbed	3/4" through the deck	6" o.c.	
24 ga. standard	350	#15	2 3/8" barbed	3/4" through the deck	6" o.c.	
	350	#15	2" double barbed	3/4" through the deck	6" o.c.	
	350	#15	2 3/4" double barbed	3/4" through the deck	6" o.c.	
	350	#14	2 3/8" barbed	3/4" through the deck	6" o.c.	
	350	#14	2" double barbed	3/4" through the deck	6" o.c.	
2" Nominal Wood Plank	800	#14	2 3/8" barbed	1" into the deck	12" o.c.	6" o.c.
	800	#14	2" double barbed	1" into the deck	12" o.c.	6" o.c.
3/4" Nominal Wood Plank	525	#14	2 3/8" barbed	Through the deck	12" o.c.	6" o.c.
	525	#14	2" double barbed	Through the deck	12" o.c.	6" o.c.

*90 psf is attachment pattern to provide 90 lbs. per square foot of uplift pressure resistance and may equate to FM I-90, Refer to current FMRC Approval Guide.

NOTE: For designing at elevated uplift pressures, please consult the current FMRC Approval Guide/ROOFNAV.