

PVC DESIGN TABLE - NEW CONSTRUCTION OR TEAR-OFF - BALLAST APPLIED

Deck	Membrane Type		Insulation/Substrate						Insulation/ Substrate Attachment
	Smooth	Fleece	ISO	Gypsum Board	Wood fiber/ Perlite	EPS/ XEPS	3/6 oz Polymat	None	Loose
Steel	x		x	x	x	x ¹	x ¹		x
		x	x	x	x	x			x
Wood	x		x	x	x	x ¹	x		x
		x	x	x	x	x		x	x
Structural Concrete & Gypsum	x		x	x	x	x ¹	x		x
		x	x	x	x	x		x	x
Lightweight Insulating Concrete	x		x	x	x	x ¹	x		x
		x	x	x	x	x		x	x
Cementitious Wood Fiber	x		x	x	x	x ¹	x		x
		x	x	x	x	x		x	x

1. EPS/XEPS in combination with a minimum 3 oz. Polymat separator for smooth PVC membrane

PVC DESIGN TABLE - RECOVER - BALLAST APPLIED

Exiting Roofing System Type	Membrane Type		Insulation/Substrate							Insulation/Substrate Attachment
	Smooth	Fleece	ISO	Gypsum Board	Wood fiber/ Perlite ¹	EPS/XEPS	3/6oz. Polymat	FR 50/10	None	Loose
Smooth BUR/MB	X		X	X	X	X ²	X	X		X
		X	X	X	X	X			X	X
Single Ply Membrane	X		X	X	X	X ²	X	X		X
		X	X	X	X	X			X	X
Granule Surfaced BUR/MB	X		X	X	X	X ²	X			X
		X	X	X	X	X			X	X
Gravel Surfaced BUR/MB	X		X	X	X	X ²	X ³			X
		X	X	X	X	X				X

1. Roof moisture scan required for use of perlite/wood fiber in recover roofing systems.

2. EPS/XEPS in combination with a minimum 3 oz. Polymat separator with smooth PVC membrane

3. Must be used with EPS/XEPS insulation