

TPO DESIGN TABLE - NEW CONSTRUCTION OR TEAR-OFF - MECHANICALLY ATTACHED

Deck	Membrane Type		Insulation/Substrate								Insulation/Substrate Attachment		
	Smooth	Fleece (FB)	ISO	Gypsum Board	Wood fiber/ Perlite ²	EPS/XEPS	Fanfold	3/6 oz Polymat	FR 50/10	none	Mech. Attached	Adhesive	Hot ¹
Steel	x		x	x	x	x					x	x	
		x	x	x	x	x					x	x	
Wood	x		x	x	x	x	x	x	x		x	x	x ²
		x	x	x	x	x	x		x	x	x	x	x ²
Structural Concrete & Gypsum	x		x	x	x	x	x	x			x	x	x
		x	x	x	x	x	x			x	x	x	x
Lightweight Insulating Concrete	x		x	x	x	x	x	x			x	x	x ²
		x	x	x	x	x	x			x	x	x	x ²
Cementitious Wood Fiber	x		x	x	x	x	x	x			x	x	x ²
		x	x	x	x	x	x			x	x	x	x ²

1. No hot attachment of polymat, XEPS, EPS, or Fanfold

2. Insulation can be installed in hot asphalt only when mopping to mechanically attached base sheet.

TPO DESIGN TABLE - RECOVER - MECHANICALLY ATTACHED

Existing Roofing System Type	Membrane Type		Insulation/Substrate								Insulation/Substrate Attachment		
	Smooth	Fleece (FB)	ISO	Gypsum Board	Wood fiber/ Perlite ²	EPS/XEPS	Fanfold	3/6 oz Polymat	FR 50/10	none	Mech. Attached	Adhesive	Hot ¹
Smooth BUR/MB	X		X	X	X	X	X	X	X		X	X	X
		X	X	X	X	X	X			X	X	X	X
Single Ply Membrane	X		X	X	X	X	X	X	X		X		
		X	X	X	X	X	X			X	X		
Granule Surfaced BUR/MB	X		X	X	X	X	X	X			X	X	X
		X	X	X	X	X	X			X	X	X	X
Gravel Surfaced BUR/MB	X		X	X	X	X	X				X	X	X
		X	X	X	X	X	X				X	X	X
Standing Seam Metal ³	X		X	X	X	X					X		
		X	X	X	X	X					X		

1. No hot attachment of polymat, XEPS, EPS, or Fanfold
2. Roof moisture scan required for use of perlite/wood fiber in recover roofing systems
3. XEPS is the only material allowed as flute fill with overlay board required.