

TPO DESIGN TABLE - NEW CONSTRUCTION OR TEAR-OFF - ADHERED SYSTEMS

Deck	Membrane Attachment		Membrane Type		Insulation/Substrate					Insulation/Substrate Attachment		
	Adhered		Smooth	Fleece (FB)	ISO	Gypsum Board ⁵	Wood fiber/ Perlite	EPS ² / XPS ²	None	Mech Attached	Adhesive ⁸	Hot ¹
	Adhesive ⁷	Hot										
Steel	X		X		X	X	X ⁴	X		X	X	
				X ⁶	X	X	X ⁴	X		X	X	
		X		X	X	X	X	X		X	X	
Wood	X		X		X	X	X ⁴	X	X	X	X	X ³
				X ⁶	X	X	X ⁴	X	X	X	X	X ³
		X		X	X	X	X		X ³	X	X	X ³
Structural Concrete & Gypsum	X		X		X	X	X ⁴	X		X	X	X
				X ⁶	X	X	X ⁴	X	X	X	X	X
		X		X	X	X	X		X	X	X	X
Lightweight Insulating Concrete	X		X		X	X	X ⁴	X		X	X	X ³
				X ⁶	X	X	X ⁴	X	X ⁶	X	X	X ³
		X		X	X	X	X ⁴	X	X ³	X	X	X ³
Cementitious Wood Fiber	X		X		X	X	X ⁴	X		X	X	X ³
				X ⁶	X	X	X ⁴	X	X	X	X	X ³
		X		X	X	X	X	X	X ³	X	X	X ³

1. No hot attachment of XPS or EPS.
2. Cover board required.
3. Insulation/membrane can be installed in hot asphalt only when mopping to mechanically attached base sheet.
4. Wood fiber only with bonding adhesives.

5. Glass mat facer required for adhered membranes.
6. Attachment of membrane must be with water-based adhesive.
7. Includes LRF-O, LRF-M, and GAF 2-Part Roofing Adhesive.
8. Includes Olybond[®], LRF-M, and GAF 2-Part Roofing Adhesive.