

UNDERLAYMENT AND FLASHING

Inspection - Verify that surfaces to receive the underlayment are uniform, smooth, clean and dry. Proper ventilation is recommended on all tile applications. Verify ventilation requirements as set forth in the governing building code. When exposed ceilings are utilized special precautions should

be used. **Roof Parameters** - Use the table below to determine the type of roof that will be installed. Each parameter is dependent upon the next. Do not mix and match, follow the table as it flows from left to right. ****Circle each parameter for the type of Roof application****

Battens Utilized	Pitch of Roof	Field Tile Attachment	Number Of Plys	Underlayment Application Method	Metal Flashing Type	Pre-formed Flashing With Returns or Without Returns	Additional Flashings Required	Roof Tile Fastener Penetrations	
Yes	4:12 and Greater	Mechanical or Adhesive	Single	Self Adhered	Pre-Formed	Either	Transitional	-	
			Two	Cold Applied	Pre-Formed	Either	Transitional	-	
				Heat Applied	Pre-Formed	Either	Transitional	-	
				Hot Mopped	Pre-Formed	Either	Transitional	-	
		Mechanical	Single	Self Adhered	Pre-Formed	Either	Transitional	-	
			Dry/Mechanical	Pre-Formed	Either	Transitional	-		
No	4:12 and Greater	Mechanical or Adhesive	Single	Self Adhered	Pre-Formed	Either	-	-	
			Two	Cold Applied	Standard	-	-	See note below	
				Pre-Formed	Either	-	-		
			Mechanical	Single	Heat Applied	Standard	-	-	Sealed
		Pre-Formed			Either	-	-		
		Two		Hot Mopped	Standard	-	-	Sealed	
				Pre-Formed	Either	-	-		
				Self Adhered	Standard	-	-	Sealed	
				Pre-Formed	Either	-	-		
		Mechanical	Single	Dry/Mechanical	Standard	-	-	See note below	
			Pre-Formed	Either	Transitional	-	-		
			Standard	-	-	Sealed			
			Pre-Formed	Either	Transitional	-	-		
		3:12 Less than 4:12	Mechanical or Adhesive	Single	Self Adhered	Pre-Formed	Without Returns	-	Sealed
	Standard				-	-	Sealed		
	Two			Cold Applied	Pre-Formed	Without Returns	-	Sealed	
				Standard	-	-	Sealed		
				Heat Applied	Pre-Formed	Without Returns	-	Sealed	
					Standard	-	-	Sealed	
	2:12 Less than 4:12	Adhesive	Single	Heat Applied	Standard	-	-	Sealed	
					Pre-Formed	Without Returns	-	Sealed	
				Hot Mopped	Standard	-	-	Sealed	
					Pre-Formed	Without Returns	-	Sealed	
					Self Adhered	Standard	-	-	Sealed
						Pre-Formed	Without Returns	-	Sealed
			Two	Self Adhered	Standard	-	-	Sealed	
				Pre-Formed	Without Returns	-	Sealed		
			Heat Applied	Single	Heat Applied	Standard	-	-	Sealed
Pre-Formed						Without Returns	-	Sealed	
Hot Mopped					Standard	-	-	Sealed	
					Pre-Formed	Without Returns	-	Sealed	
Two				Hot Mopped	Standard	-	-	Sealed	
					Pre-Formed	Without Returns	-	Sealed	
	Self Adhered	Standard		-	-	Sealed			
		Pre-Formed		Without Returns	-	Sealed			
*Note: Refer to the underlayment manufacturer's written installation instructions/product approval.									