

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

 REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-175.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-XF	EverGuard TPO / TPO QSA LV50	-202.5
C-176.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
C-177.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-232.5
C-178.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-232.5
C-179.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-180.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-75.0
C-181.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-165.0
C-182.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-187.5
C-183.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-292.5
C-184.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-97.5
C-185.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-186.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-135.0
C-187.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-202.5
C-188.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-189.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-127.5
C-190.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
C-191.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-232.5
C-192.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-240.0