



TABLE 7c: RECOVER OVER STEEL SUBSTRATE

SYSTEM TYPE D-1: PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED ROOF COVER

(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

System No.	Substrate (4.1.2)	Insulation (3.1.2, 4.2.3)		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fastener (4.2.3)	Attachment	
R-74.	Min. 22 ga., Type B, Grade 40 steel with existing asphalt built-up roof (BUR)	Min. 0.5-inch DURO-GUARD EPS FAN FOLD or 3/8-inch DURO-GUARD XPS FAN FOLD	Duro-Last #14 Heavy Duty with Duro-Last 3-inch Metal Plate; 1 per 5.3 ft ² ; 6 parts per 4x8 ft section	Duro-Tuff, min. 50 mil or Duro-Last X, min. 50-mil	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Last Poly-Plate or Duro-Last Cleat Plate	Standard Lap System fastened 12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. Side laps sealed with 1.5-inch heat-weld	-52.5
R-75.	Min. 26 ga., type HVF, Grade 80 steel; 5 ft span; 5/8" puddle weld with weld-washer at each flute followed by min. 330 psi, min. 2-inch thick cellular lightweight insulating concrete and existing single ply roof membrane	Min. 0.5-inch DURO-GUARD EPS FAN FOLD or 3/8-inch DURO-GUARD XPS FAN FOLD	Loose-laid	Duro-Tuff, min. 50 mil or Duro-Last X, min. 50-mil	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Last Poly-Plate or Duro-Last Cleat Plate	Standard Lap System fastened 6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. Side laps sealed with 1.5-inch heat-weld	-60.0

TABLE 7d: RECOVER OVER CEMENTITIOUS WOOD FIBER SUBSTRATE
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Substrate (4.1.2)	Roof Cover				MDP (psf)
		Membrane	Fastener (4.2.3)		Attach	
			Type	ENERFOAM Installation		
R-76.	Min. 2-inch Tectum I with existing single ply roof cover	Duro-Last, min. 40-mil	Duro-Last Auger Fastener (min. 2-inch embedment)	N/A	Through-fastened 6-inch o.c. in rows 48-inch o.c. Fastener rows sealed with 10-inch wide strip of Duro-Last, with a 1.5-inch heat weld on all sides	-30.0 (NO HVHZ)
R-77.	Min. 3-inch Tectum I with existing single ply roof cover	Duro-Last, min. 40-mil	Duro-Last Auger Fastener (min. 2-inch embedment) with 2" Auger Plate and Dupont ENERFOAM™	7/16-inch diameter x 2.5-inch deep pilot holt filled with Dupont ENERFOAM followed by fastener installation within 20-40 seconds after dispensing the foam	Through-fastened 6-inch o.c. in rows 96-inch o.c. Fastener rows sealed with 10-inch wide strip of Duro-Last, with a 1.5-inch heat weld on all sides	-67.5

TABLE 7e: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.3)	Primer / Treatment	Roof Cover (3.1.4)	MDP (psf) ^A
R-78.	Existing asphaltic roof system with mechanically fastened and/or adhered underlying components (insulation, coverboard or base sheet) and with existing granule-surface BUR or granule-surface SBS or APP modified bitumen cap sheet	None	FB3-DF CR-20 (SPLATTER)	-150.0
R-79.	Existing asphaltic roof system with adhered underlying components (insulation, coverboard or base sheet) over monolithic deck and with existing smooth- or granule-surface BUR or granule-surface SBS or APP modified bitumen cap sheet	None	FB3-DF CR-20 (SPLATTER)	-370.0