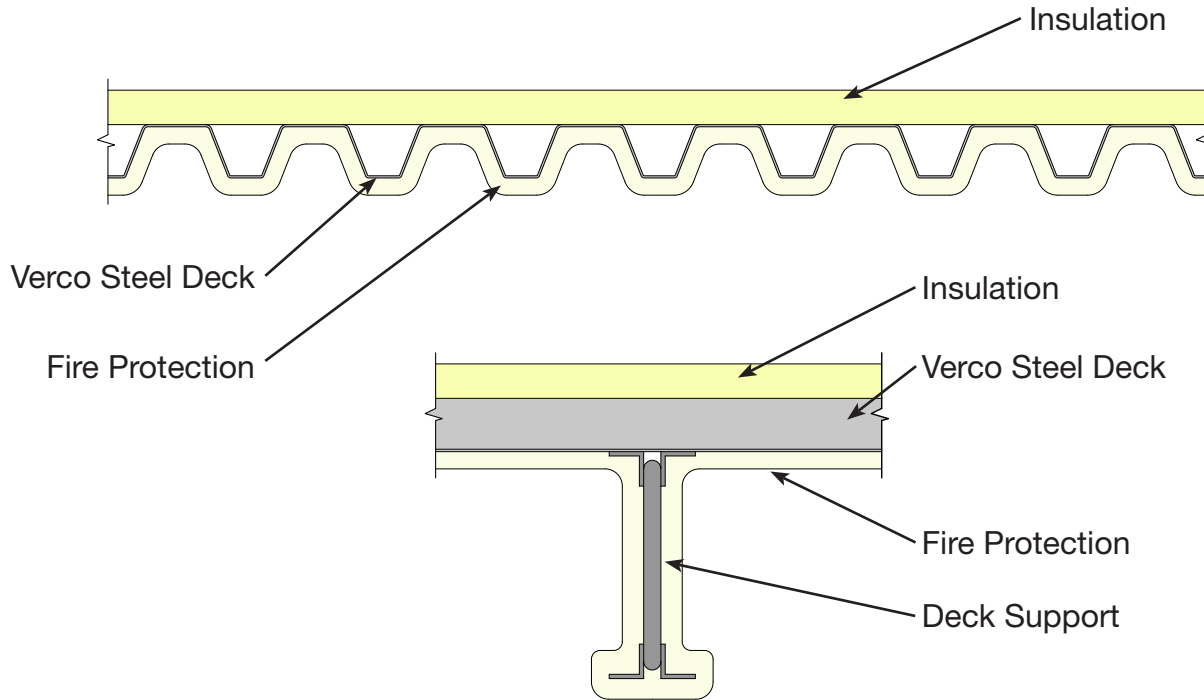


VERCO® ROOF DECK UL FIRE RATED ASSEMBLIES

USE UL RECOGNIZED VERCO ROOF DECKS FOR YOUR FIRE RATED ASSEMBLIES

- Vercro steel decks may be used in assemblies which are required to meet hourly fire ratings. Approved hourly fire rated assemblies are a combination of specific proprietary materials as listed in UL fire resistance ratings.



Refer to the table below for a listing of UL fire-rated assemblies utilizing Vercro steel deck profiles. Refer to the particular UL assembly being considered for full details of construction, including specific information about fill or fireproofing thicknesses and span limitations.

UL Fire Resistance Ratings

Restrained Assembly Ratings (hr.)	UL Design No.	Unrestrained Assembly Ratings (hr.)	Support Type	Fire Protection	Insulation Type	Deck Type								
						B	N3	N24	W2	W3	SV	DV	D	
1, 1½ or 2	L701	1, 1½ or 2	Beam/Joist	SFRM	Wood Fiber Board	✓	✓	✓	✓	✓				
1 or 1½	P225	1 or 1½	Beam/Joist/ Joist Girder	Acoustical Material	Rigid Insulation	✓	✓	✓					✓	
1 or 1½	P230	1 or 1½	Beam/Joist/ Joist Girder	Acoustical Material	Rigid Insulation	✓							✓	
1	P518	1	CFS	Gypsum Board	Gypsum Board	✓						✓	✓	
1, 1½ or 2	P701	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						

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UL Fire Resistance Ratings (continued)

Restrained Assembly Ratings (hr.)	UL Design No.	Unrestrained Assembly Ratings (hr.)	Support Type	Fire Protection	Insulation Type	Deck Type								
						B	N3	N24	W2	W3	SV	DV	D	
1, 1½ or 2	P711	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P717	1, 1½ or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P719	1, 1½, or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P723	1, 1½, 2 or 3	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓	✓	✓				
1, 1½ or 2	P726	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P732	1, 1½, 2 or 3	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P734	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P739	1, 1½, or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P740	1, 1½ or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P741	1, 1½ or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P742	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P748	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P750	1, 1½, 2 or 3	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P751	1, 1½, or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P815	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, 2 or 3	P819	1, 1½, 2 or 3	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P829	1, 1½ or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						

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UL Fire Resistance Ratings (continued)

Restrained Assembly Ratings (hr.)	UL Design No.	Unrestrained Assembly Ratings (hr.)	Support Type	Fire Protection	Insulation Type	Deck Type								
						B	N3	N24	W2	W3	SV	DV	D	
1, 1½ or 2	P837	1, 1½ or 2	Beam/Joist/ Joist Girder	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½ or 2	P838	1, 1½ or 2	Beam/Joist	SFRM	Rigid Insulation	✓	✓	✓						
1, 1½, or 2	P907	0	Beam/Joist	None	Insulating Fill	✓	✓	✓				✓	✓	
1, 1½, or 2	P908	1½ or 2	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓				✓	✓	✓
1, 1½, or 2	P920	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½ or 2	P921	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓			✓	✓	✓
1, 1½, or 2	P922	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓	✓		✓	✓	
1, 1½, or 2	P923	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½, or 2	P925	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½ or 2	P926	0	Beam/Joist	None	Insulating Fill	✓	✓	✓				✓	✓	
1, 1½ or 2	P927	1½ or 2	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓				✓	✓	
1, 1½ or 2	P928	0	Beam/Joist Girder	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½, or 2	P929	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½, or 2	P930	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓	✓		✓	✓	
1, 1½, or 2	P936	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓			✓	✓	
1, 1½, or 2	P937	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓			✓	✓	✓
1, 1½, or 2	P938	1½ or 2	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓				✓	✓	✓

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UL Fire Resistance Ratings (continued)

Restrained Assembly Ratings (hr.)	UL Design No.	Unrestrained Assembly Ratings (hr.)	Support Type	Fire Protection	Insulation Type	Deck Type							
						B	N3	N24	W2	W3	SV	DV	D
1, 1½, or 2	P939	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓		✓	✓	
1, 1½, or 2	P940	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓	✓	✓	✓	
1, 1½, or 2	P943	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓	✓	✓	✓	
1, 1½, or 2	P944	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓				
1, 1½, or 2	P945	0	Beam/Joist/ Joist Girder	None	Insulating Fill	✓	✓	✓	✓		✓	✓	
1, 1½, or 2	P947	0	Beam/Joist	None	Insulating Fill	✓	✓	✓	✓		✓	✓	

Notes:

1. Refer to the UL “Fire Resistance Directory” for necessary construction details.
2. “B” = PLB-36 and HSB-36, PLB-36 and B-36 FormLok
“N3” = PLN3-32 and HSN3-32, PLN3-32 and N3-32 FormLok
“N24” = PLN -24 and N-24, PLN-24 and N-24 FormLok
“W2” = PLW2-36 and W2-36 FormLok
“W3” = PLW3-36 and W3-36 FormLok
“SV” & “DV” = Shallow Vercor or Deep Vercor, respectively
“D” = 2.0D & 3.5D Dovetail Deck
3. UL recognized Vercor gray primer paint on bare (un-galvanized) steel deck or galvanized steel deck may be used with spray-applied fire resistive material (SFRM) in the protected assemblies listed above.
4. UL recognized Vercor gray primer paint on bare (un-galvanized) steel deck or galvanized steel deck may be used in unprotected assemblies. Vercor recommends the use of galvanized steel deck when using insulating fill due to potential corrosion issues.
5. Galvanized decks with primer painted underside are not approved for use in fire-rated systems.

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