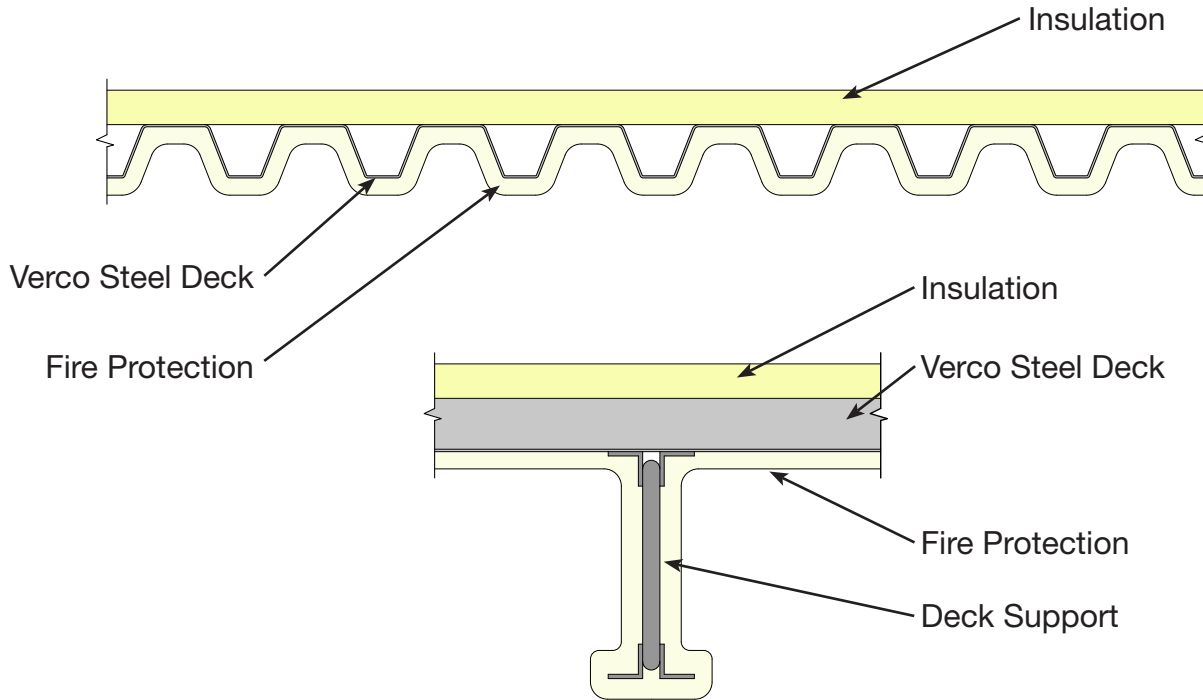


VERCO® ROOF DECK UL FIRE RATED ASSEMBLIES

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 | 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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VERCO® ROOF DECK UL FIRE RATED ASSEMBLIES

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 | 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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VERCO® ROOF DECK UL FIRE RATED ASSEMBLIES

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 | 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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VERCO® ROOF DECK UL FIRE RATED ASSEMBLIES

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 | 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
“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) as noted 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.

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