

Fasteners and Sealant Guide

Profile	Application (Note 1)	Fastener Location, Panel to Structure	Side Lap Fasteners	Sealants Side & End Laps	Min Side Lap	Min End Lap
2.67 Corrugated	Roofing (Slope 3/12)	Every third high rib	18" on center	Butyl lap tape	1 rib	6"
	Siding	Every third high rib	18" on center	Not required (U.N.O.) ⁸	1 rib	4"
4.2 Corrugated	Roofing (Slope 3/12)	Every other high rib	18" on center	Butyl lap tape	1 rib	6"
	Siding	Every other low rib	18" on center	Not required (U.N.O.)	1 rib	4"
4 ³ / ₁₆ Rib, 4.0 Rib	Roofing (Slope 3/12)	Every other low rib	18" on center	Butyl lap tape	1 rib	6"
4 ⁷ / ₈ V-Beam (Note 3)	Siding	Every other low rib	18" on center	Not required (U.N.O.)	1 rib	4"
7.0 Rib, 7.2 x 1.5 Rib,	Roofing (Slope 3/12)	Every low rib	18" on center	Butyl lap tape	1 rib	6"
7.2D x 1.75 Rib, 5.33 V-Beam	Siding	Every low rib	18" on center	Not required (U.N.O.)	1 rib	4"
R-Panel, Trafford Tile	Roofing (Slope 3/12)	One on each side of every high rib	18" on center	Butyl lap tape	1 rib	6"
	Siding		18" on center	Not required (U.N.O.)	1 rib	4"
Flashing	All	See note 6		Butyl lap tape where required		See note 4
6.5 Series 500	Roof Deck	Every low corrugation	18" on center (8)	Not required (U.N.O.)	Side nest	Butt
8.0 Series 700 (7)	Roof Deck	Every low corrugation	24" on center (8)	Not required (U.N.O.)	Side nest	Butt

Notes:

- Slopes shown above are for 3/12 or greater. For slopes less than 3/12, fasten side laps at 12" o.c.
- Std. 0.729" dia. sealing washer required typical, U.N.O.
- Use 5/8" dia. washer for 4 7/8 V-Beam only.
- End lap ridge and corner flashing 4" U.N.O. Butt ends of other flashing, U.N.O.
- U.N.O. = Unless noted otherwise in specs, notes, or drawings.
- Fasten to panels at every 3rd rib for 4.2, every other rib for 7.0, 7.2, 7.2D, or 12" o.c.
- TS 700, 1¹/₈" washer required.
- Contact engineering department if diaphragm action is needed.

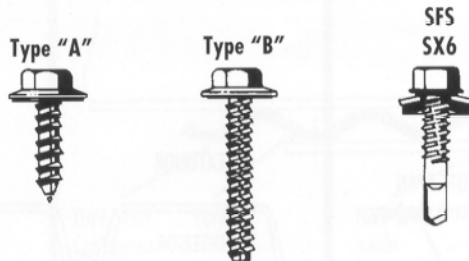
Fasteners and Sealants

Stainless Steel Self-Tapping Screws: Panel to Structure Fastening

Type "A" point for fastening to wood structure or Tuff Span structural members (add 1/2" to the given length).

Type "B" point for fastening to steel structures up to 3/8" in thickness

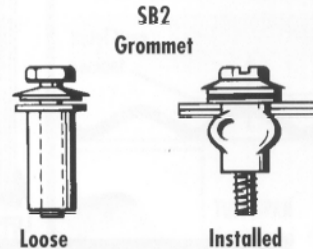
Note: Type "A" and "B" screws are available in 305 and 316 stainless steel and Monel. SFS screws are available in 304ss only. Washers (min. 0.729" dia.) are required with all fasteners. See chart above.



Stainless Steel Grommets: Side Lap and FRP Flashing Fastening

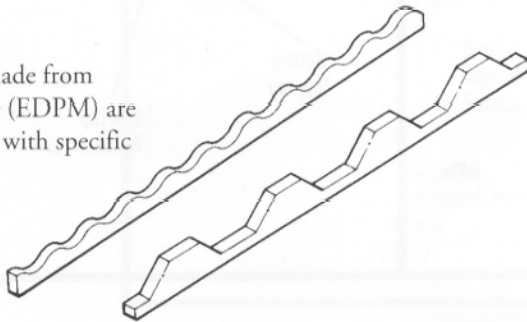
The SB2 grommet is recommended for side lap and flashing. The SB2 should be tightened until the flexible neoprene grommet sleeve bulges out and tightly grips the FRP material.

The recommended side lap fastening is 18" on center minimum for roof installations with a pitch of 3 on 12 or more. For roofs with lesser slopes, the side laps should be fastened at 12" on center minimum.



Closure Strips

Closure strips made from synthetic rubber (EDPM) are available for use with specific panel profiles.



Butyl Tape

Tape is 3/32" thick x 3/4" wide non-shrinking, non-hardening, used for sealing side and end laps.

