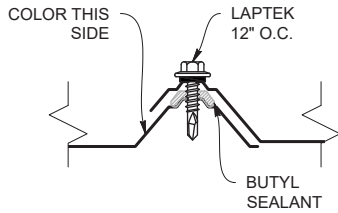


LAP DETAIL




ROOF & WALL PROFILE



KEY FEATURES

- 29 and 26 Tru-Gauge™
- 1:12 minimum pitch recommended when installed with butyl sealant
- Custom lengths 1' to 45'
(For longer length panels, please inquire)
- Long length flashings available up to 20' 11"
- Standard trim, custom trim and accessory packages available
- Color matched neoprene washered screws
- Roof and Vertical or Horizontal Wall application
- Perforated options available (please inquire)
- Fiberglass & Polycarbonate panels available to match profile
- Manufactured in Salem OR and Riverside CA
- OverEZee™ retro-fit systems available

TESTING

-  Code compliance UL Evaluation Report
UL ER #25913-01
- UL 790 Class A (ASTM E108) - Fire rated
- UL 2218 Class 4 - Impact (hail) rated
- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM E1592 - Negative structural uniform static air pressure
- ASTM E330 - Positive structural uniform static air pressure
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - Zincalume/Galvalume AZ-50/55
- ASTM E455-19 - Shear and Diaphragm.
(For engineering data, please inquire)

WEIGHT CHART

TUFF RIB	WIDTH	29 GA STEEL	26 GA STEEL
THICKNESS		0.0136"	0.019"
WEIGHT/LINFT	36"	1.917 LBS	2.819 LBS
WEIGHT/SQFT	36"	0.639 LBS	0.940 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
25 PSF < 0.01 CFM/ft² - PASS	50 PSF - Pass
Intertek Test Result	
Intertek Test Result	

SHEAR LOAD AND STIFFNESS CHART

Shear load test results for Tuff Rib panels at support spacing of 4' 0"

Test No.	Ga.	Span (ft)	L (ft)	b (ft)	0.4P _{max} (lb)	Shear Deflection Δ _n (in)	Max. Shear Load P _u (lb)	Ultimate Shear S _u (lb/ft)	Shear Stiffness G' (lb/in)
1	26	4' 0"	16	15	3848	0.106	9620	641.3	38722
2			16	15	3794	0.095	9486	632.4	42604
Average							9553	636.9	40663
3	29	4' 0"	16	15	2321	0.081	5802	386.8	30562
4			16	15	2287	0.078	5717	381.1	31273
Average							5760	384.0	30917

Notes:

P_u = Maximum applied load in the cantilever beam test (lb)

P = 0.4P_u in the cantilever beam test (lb)

Δ_n = Net shear deflection of diaphragm (in) at 0.4P_u load

G' = Shear stiffness of the diaphragm as determined from test measurements

L = Length of diaphragm test frame = 16 ft

b = Depth of diaphragm test frame = 15 ft