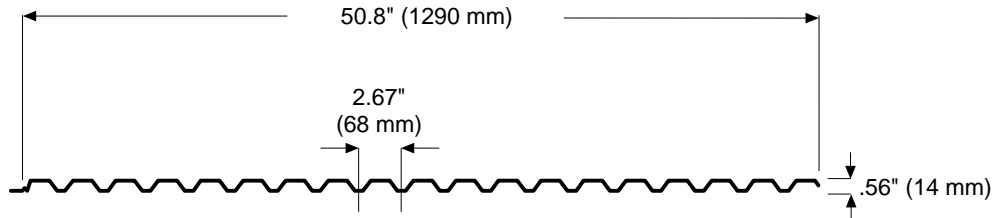


TECHNICAL DATA SHEET



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Rainlock® Rib Roofing and Siding



Profile Dimensions

	Overall Width	Coverage Width	Rib Pitch	Profile Depth
Aluminum	50.75"	48"	2.67"	0.56"

Load Span Table

RAINLOCK® RIB	NO. SPANS	LOAD (PSF)								
		20	25	30	35	40	45	50	55	60
Siding Allowable Span										
.018" Aluminum	1	4'-7"	4'-1"	3'-10"	3'-6"	3'-4"	3'-1"	2'-11"	2'-10"	2'-8"
	2	4'-7"	4'-1"	3'-10"	3'-6"	3'-4"	3'-1"	2'-11"	2'-10"	2'-8"
.021" Aluminum	1	5'-2"	4'-7"	4'-2"	3'-11"	3'-8"	3'-6"	3'-4"	3'-1"	3'-0"
	2	5'-2"	4'-7"	4'-2"	3'-11"	3'-8"	3'-6"	3'-4"	3'-1"	3'-0"
.024" Aluminum	1	5'-8"	5'-1"	4'-7"	4'-4"	4'-0"	3'-10"	3'-7"	3'-5"	3'-4"
	2	5'-8"	5'-1"	4'-7"	4'-4"	4'-0"	3'-10"	3'-7"	3'-5"	3'-4"

NOTES:

1. Allowable spans are based on stress governing in all cases—no deflection criteria established
2. Allowable spans are for wind.

Material Specifications

Aluminum

Alloy 3105 in compliance with the Aluminum Association Composition Specifications and conforming to ASTM B209-96 is standard. Available diamond embossed.

Engineering Properties

Aluminum	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
.018"	0.0115	0.0426	0.0115	0.0426	30.8
.021"	0.0135	0.0497	0.0135	0.0497	35.7
.024"	0.0155	0.0566	0.0155	0.0566	40.6

Tolerances

- Standard Lengths: 5'0" to 30'0"
Length Tolerance: +1/2" - 0
- Overall Width: ± 1/4"
- Coverage Width: ± 5/32"
- Squareness:

Length	Squareness Tolerance
0" - 20'0"	5/16"
20'1" - 26'8"	7/16"
26'9" - 40'0"	1/2"

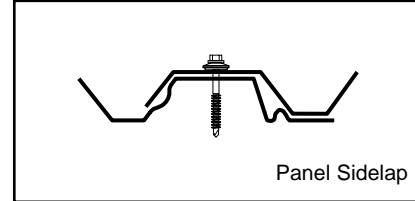
TECHNICAL DATA SHEET

Rainlock® Rib Roofing and Siding



Installation & Fastening Guidelines

- Minimum recommended roof slope: 3:12
- Minimum end laps:
 - Siding: 4"
 - Roofing: 6"
- Fastening Patterns for 20psf loading*:
 - Panel field: 8" o. c.
 - Panel end laps: 5-1/3" o. c.
 - Panel sidelaps: 16" o. c.



It is recommended that when Rainlock® Rib is used in a roofing application, attachment screw fasteners should be applied in the rib crowns.

* Consult Alcoa for attachment guidelines for greater load conditions.

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