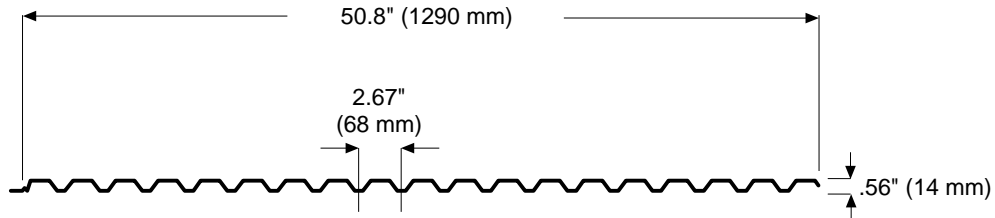


TECHNICAL DATA SHEET



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:

- Allowable spans are based on stress governing in all cases—no deflection criteria established
- 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:

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

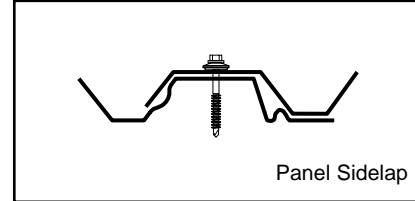
TECHNICAL DATA SHEET

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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