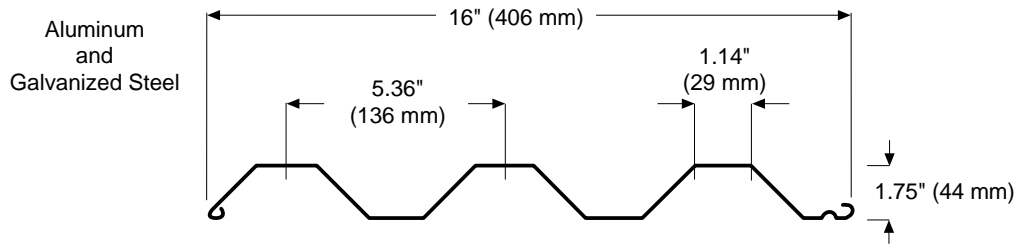


TECHNICAL DATA SHEET



FOR PRICING AND AVAILABILITY - CONTACT
 ALLSTATE INSULATION
 516-932-9170 888-881-4822 516-932-9171 (FAX)
 allstateinsulation@yahoo.com

Vanguard Roofing



Profile Dimensions

	Overall Width	Coverage Width	Rib Pitch	Profile Depth
Aluminum	17.25"	16"	5.36"	1.75"
Steel	17.25"	16"	5.36"	1.75"

Load Span Table

VANGARD	NO. SPANS	LOAD (PSF)								
		20	25	30	35	40	45	50	55	60
		Roofing Allowable Span								
.032" Aluminum	2	10'-4"	9'-2"	8'-5"	7'-10"	7'-4"	6'-10"	6'-6"	6'-2"	6'-0"
.040" Aluminum	2	12'-2"	10'-11"	10'-0"	9'-2"	8'-7"	8'-1"	7'-8"	7'-5"	7'-0"
24 GA. Steel	2	9'-6"	8'-7"	7'-10"	7'-3"	6'-9"	6'-5"	6'-1"	5'-9"	5'-7"
22 GA. Steel	2	11'-0"	9'-11"	9'-0"	8'-5"	7'-10"	7'-5"	7'-0"	6'-8"	6'-1"

NOTES:

1. Allowable deflection for aluminum is L/60.
2. Allowable deflection for steel is L/180.
3. Allowable spans for roofing are based on live load.

Material Specifications

Aluminum

Alloy 3004 in compliance with the Aluminum Association Composition Specifications and conforming to ASTM B209-96 is standard. Alloy 3004 Alclad (Alloy 7072 cladding is used) is also available. Available smooth or stucco embossed.

Steel

Grade 33 structural quality conforming to ASTM A653, galvanized to ASTM A924, G90 Class is standard. Available smooth or stucco embossed.

Engineering Properties

	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
Aluminum					
.032"	0.2014	0.2327	0.2014	0.2327	64.3
.040"	0.2487	0.2861	0.2487	0.2861	80.7
Steel					
24 ga	0.1493	0.1732	0.1493	0.1732	145.1
22 ga	0.1868	0.2160	0.1868	0.2160	179.4

TECHNICAL DATA SHEET

Vanguard Roofing



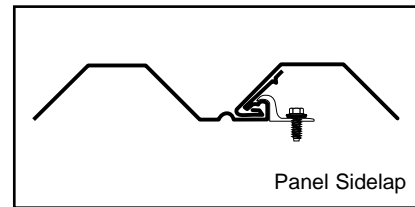
Tolerances

- Standard Lengths: 5'0" to 40'0"
Length Tolerance: +1/2" - 0
- Overall Width: $\pm 1/8$ "
- Coverage Width: $\pm 1/16$ "
- Camber:

<u>Length</u>	<u>Camber Tolerance</u>
0" - 8'0"	1/8"
8'1" - 15'0"	1/4"
15'1" - 40'0"	1/2"

Installation & Fastening Guidelines

- Minimum recommended roof slope: 1:12
- Minimum end laps:
Roofing: 6"
(utilizing Alcoa's recommended field notching design and required sealant at side and end laps)
- Fastening Patterns for 20psf loading*:
Panel field: 16" (utilizing concealed clip)



* Consult Alcoa for attachment guidelines for greater load conditions.

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