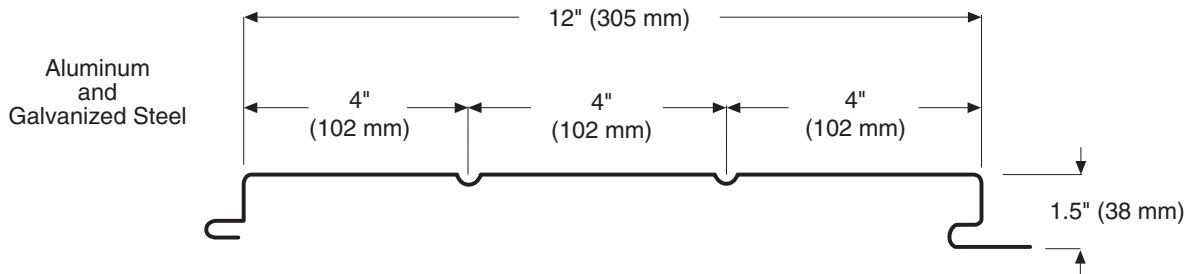


TECHNICAL DATA SHEET



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

Planewall Siding



Profile Dimensions

	Overall Width	Coverage Width	Rib Pitch	Profile Depth
Aluminum	N/A	12"	N/A	1.5"
Steel	N/A	12"	N/A	1.5"

Load Span Table

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

NOTES:

1. Allowable deflection for aluminum is L/60.
2. Allowable deflection for steel is L/180.

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.

TECHNICAL DATA SHEET

Planewall Siding



Engineering Properties

Aluminum	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
.032"	0.1236	0.4596	0.1538	0.1328	63.3
.040"	0.1581	0.5614	0.1898	0.1634	79.5
.050"	0.2093	0.7040	0.2418	0.2071	99.0

Steel	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
24 ga	0.0633	0.0671	0.1085	0.0878	142.8
22 ga	0.0869	0.0953	0.1410	0.1139	176.5
20 ga	0.1124	0.1276	0.1751	0.1412	210.6
18 ga	0.1687	0.2054	0.2425	0.2004	276.0

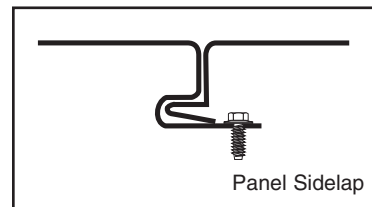
Tolerances

- Standard Lengths: 5'0" to 40'0"
Length Tolerance: +1/8" - 0
- Overall Width: ± 1/16"
- Coverage Width: + 5/32"
- Squareness:

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

Installation & Fastening Guidelines

- Minimum end laps:
Siding: 2"
- Fastening Patterns for 20 psf loading*:
Panel field: 12" (on concealed female fastening leg)
(Where design loads exceed 20 psf and at elevations above 50 feet, exterior Planewall shall be face fastened with exposed self-tapping screws.)
- Planewall can be swedged for endlapping on multi-course sidewall applications.
- Available with factory-applied butyl sealant.
- Because of Planewall's broad flat area, the potential for oil-canning exists. Oil-canning is not cause for rejection of material.



* Consult Alcoa for attachment guidelines for greater load conditions.

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