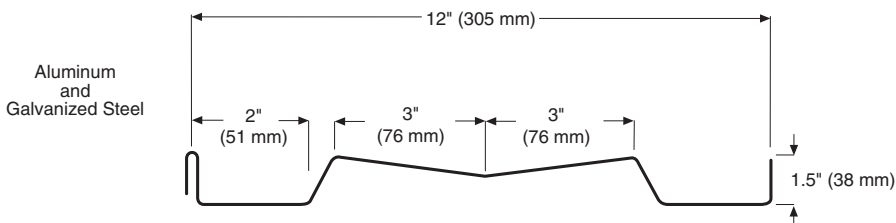


# TECHNICAL DATA SHEET



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## Muraline 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

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

#### 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

## Muraline Siding



### Engineering Properties

Aluminum	I + (in <sup>4</sup> /ft)	S + (in <sup>3</sup> /ft)	I - (in <sup>4</sup> /ft)	S - (in <sup>3</sup> /ft)	Lbs/Sq Painted
.032"	0.1414	0.1855	0.1414	0.1936	64.6
.040"	0.1746	0.2279	0.1746	0.2379	81.2
.050"	0.2223	0.2883	0.2223	0.3008	101.2

Steel	I + (in <sup>4</sup> /ft)	S + (in <sup>3</sup> /ft)	I - (in <sup>4</sup> /ft)	S - (in <sup>3</sup> /ft)	Lbs/Sq Painted
24 ga	0.1012	0.1167	0.0897	0.0904	145.9
22 ga	0.1338	0.1591	0.1219	0.1238	180.4
20 ga	0.1659	0.2053	0.1573	0.1609	214.9

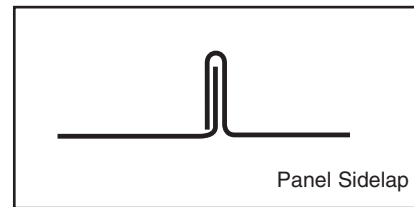
### Tolerances

- Standard Lengths: 5'0" to 40'0"  
Length Tolerance: + 1/2" - 0
- Overall Width: ± 1/8"
- Coverage Width: ± 1/16"
- 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" Utilizing top lock attachment clips and screw fasteners applied over male leg of panel. (Where design loads exceed 20 psf and at elevations above 50 feet, exterior Muraline shall be face fastened with exposed self-tapping screws.)  
Panel sidelaps: 4'0" o. c. (button-punched or riveted)  
Muraline can be swedged for endlapping on multi-course sidewall applications.



\* Consult Alcoa for attachment guidelines for greater load conditions.

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