

# *Merchant & Evans, Inc.*

Architectural and Structural Roofing Products



800-257-6215  
[www.ziprib.com](http://www.ziprib.com)

*Classic Rib Series 305*  
Roof & Wall Panel System

# Classic Rib Series 305

## Roof & Wall Panel System



### Applications

Architectural roofing on slopes 3" or greater.  
Continuous lengths up to 45 ft.  
Vertical walls. Conical tapers.

### Substrates

Plywood or Gyp board & Rigid insulation over decking.  
Requires 30# felt underlayment and rosin slip sheet.

### Standard Materials

24 Gauge Galvalume (Aluminum - Zinc Coated Steel)  
1.0 Mil Kynar Coating System with Smooth Surface.  
Other Materials, Gauges & Custom Coatings available.

### Performance

UL-580 Tested UL Listed Class 90  
Construction #301 & #342A  
ASTM E-283 Tested ASTM E-331 Tested

### DESIGN TABLE FOR MAXIMUM CLIP SPACING

WIDTH	12 INCH				15-1/2 INCH				19 INCH				
	24		22		24		22		24		22		
GAUGE	24		22		24		22		24		22		
SPAN	1	3	1	3	1	3	1	3	1	3	1	3	
UPLIFT LOAD MAXIMUM SPAN IN FEET-INCHES-CLIP SPACING													
30 PSF	f	4'-3"	5'-4"	4'-8"	6'-0"	3'-8"	4'-9"	4'-1"	5'-3"	3'-3"	4'-2"	3'-8"	4'-8"
60 PSF	f	3'-0"	3'-9"	3'-3"	4'-2"	2'-7"	3'-4"	2'-10"	3'-8"	2'-4"	3'-0"	2'-7"	3'-3"
UL90	90 PSF	f	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"

### PROFILE ENGINEERING PROPERTIES PER FOOT OF WIDTH

NORMAL GAUGE	THICKNESS	S+ IN3/SF	I+ IN3/SF	S- IN3/SF	I- IN3/SF
24	.0256	.0501	.0608	.0309	.0230
22	.0316	.0617	.0750	.0380	.0284

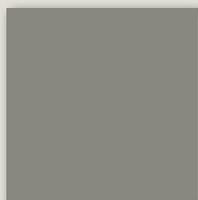
#### EXPLANATORY NOTES FOR DESIGN TABLE

- Panel span condition: 1 = SIMPLE 3 = TRIPLE SPAN OR MORE
- Values in table indicate span between adjacent panel clips. Since clips may be attached onto a variety of roof substrate screw pull out loads must be engineered to resist specified uplift loads. (Consult Merchant & Evans, Inc. Engineering)
- Span length limitation, using allowable stress increased 33% for wind load. D=span from L/240 as the maximum allowable deflection but not exceeding the allowable span for stress.
- Fy=33,000 PSI (GRADE A) Yield strength steel used in determining spans.

### Standard Colors - Additional colors are available upon request.



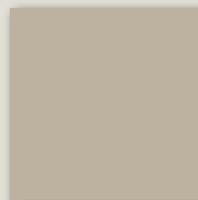
Colonial Red  
434B134



Slate Gray  
432B318



Regal White  
431A844



Light Seawolf  
433B493



Dark Bronze  
437B680



Moss  
435B631