



# SERIES 2400 PANEL SYSTEM



## STRUCTURAL SYSTEM FOR COMMERCIAL AND INSTITUTIONAL

### 2" STRUCTURAL AND ARCHITECTURAL MECHANICALLY PANEL SYSTEM

Designed for use as a structural roof system for pre-engineered buildings and open framing. Englert's Series 2400 mechanically seamed, single-lock panel is one of the industry's most extensively utilized systems. The 2400 profile incorporates a unique heavy duty interlock clip that secures the system while allowing thermal expansion and contraction.

### SYSTEM APPLICATIONS

- Heavy duty for commercial and industrial use
- 1/2"/12" minimum slope
- Can be installed over a solid deck or open framing
- Requires seam sealant if air and water tests are specified
- Engineering available for various panel sizes and substrates upon request

### SUBSTRATES

- 26, 24 and 22 gauge steel
- .032" and .040" aluminum
- 16 oz. and 20 oz. copper





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## FINISHES

Englert's Series 2400 system is available in a wide variety of coatings and colors. See the Englert color card for our full range of standard colors and paint system specifications.

Englert can match the color of virtually any material – including brick, wood and fabric – with short lead times as needed. Custom colors are available in quantities as low as 5,000 lbs. on steel or aluminum.

## SYSTEM WARRANTIES

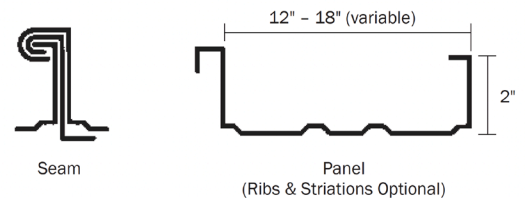
- Galvalume Plus® – 25-year steel warranty on acrylic coated Galvalume®
- PermaColor 3500 – 35-year steel or aluminum warranty on Kynar 500®/Hylar 5000® coating
- PermaMetallic 3500 – 20-year steel or aluminum warranty on Kynar 500®/Hylar 5000® coating
- Siliconized Modified Polyester – 15-year steel or aluminum coating warranty

## RATINGS AND CERTIFICATIONS

- UL-90 rated over 16 gauge steel purlins at 18" wide with clips at 48" o.c. (24 ga. steel)
- UL-90 rated over 16 gauge steel purlins at 16" wide with clips at 60" o.c. (24 ga. steel)
- ASTM-E-1646-95 and ASTM-E-331 water penetration tested
- ASTM-E-1680-95 and ASTM-E-283 air infiltration tested
- ASTM-E-1592-98 uplift tested (24 ga. steel)
- ASTM-E-84 Class A fire rating on coating and substrate



### Series 2400 2" Mechanically Seamed



### Allowable Uniform Live Load (PSF)

No. of Spans	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
<b>14" Width — 24 ga. steel</b>					
2	107	84	68	57	47
3 or more	132	105	85	70	59
<b>14" Width — 22 ga. steel</b>					
2	135	107	86	71	60
3 or more	169	133	108	89	75
<b>18" Width — 24 ga. steel</b>					
2	84	66	53	44	37
3 or more	104	82	67	55	46
<b>18" Width — 22 ga. steel</b>					
2	105	83	67	55	46
3 or more	131	104	84	69	58

*Note: Load values shown may be increased by 1/3 for allowable wind load.*

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