

# Central Seam Plus®

Standing Seam Roof Panel

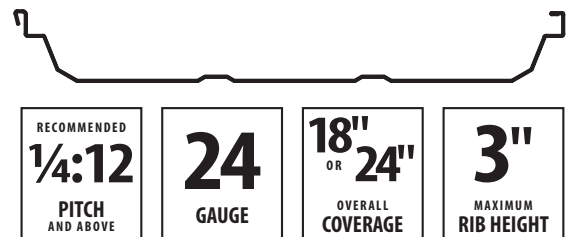


## Ideal for *commercial* and *industrial* applications

Central Seam Plus is perfect for economical commercial and industrial applications that need the extra strength and durability of a mechanically-seamed roof.

Pre-punched panels are available and self-engaging backup plates allow for easier installation.

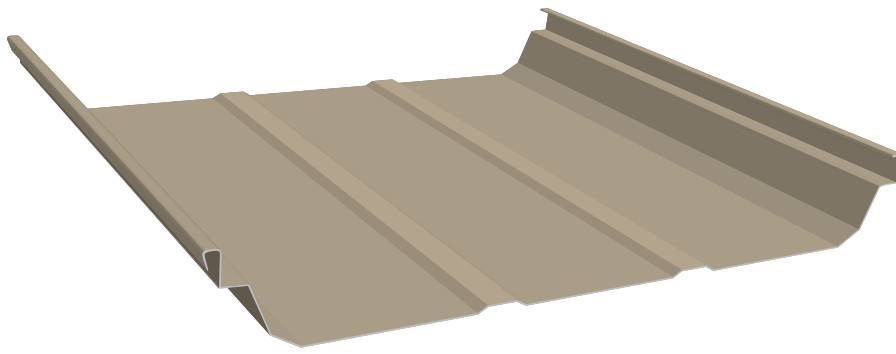
- Factory applied sealant ensures a weather-tight and secure lap.
- Floating clips allow for thermal roof expansion and contraction during extreme temperature changes.
- Add DripX for condensation control and vapor barrier elimination.



[WWW.CENTRALSTATESMFG.COM](http://WWW.CENTRALSTATESMFG.COM)

Copyright © 2019, Central States Manufacturing, Inc., All Rights Reserved.  
Galvalume® is a registered trademark of BIEC International, Inc.

FLYR\_CentralSeamPlus\_190402.1



## Choose an energy efficient finish.

Solar Reflectivity is the metal panel's ability to reflect sunlight. This characteristic of metal roofing is the most important in terms of energy savings. Cool metal roofing reflects much of the sun's rays, making the surface of the metal much cooler than material with a lower solar reflectivity rating.

Emissivity is the metal panel's ability to release absorbed heat. A low emissivity rating means the material will be hot to the touch (it doesn't release the heat), while material with a higher emissivity rating will be cooler to the touch. Therefore, metal with a low emissivity rating retains heat and may be more desirable for a cooler climate, while a high emissivity rating reflects heat and is more effective for saving energy in a warmer climate.

COLOR	INITIAL SOLAR REFLECTIVITY	INITIAL EMISSIVITY
Ash	0.32	0.83
Autumn	0.21	0.87
Beige	0.35	0.75
Brite	0.55	0.83
Bronze	0.25	0.83
Dark Bronze	0.25	0.83
Evergreen	0.27	0.85
Galvalume® (Acrylic Coated)	0.77	0.08
Roman	0.25	0.83
Sand	0.35	0.75
Slate Gray	0.18	0.87
Smoke	0.25	0.83
Terratone	0.32	0.83
Tudor	0.29	0.88
Verdigris	0.32	0.83

Solar reflectance values are determined by means of a solar spectrum reflectometer in accordance with ASTM C 1549. Thermal emittance values are determined in accordance with ASTM C 1371. Laboratory and Exposure site are ISO 17025 Accredited, Laboratory is also EPA Accredited. Panels are unwashed. Values are correct at time of printing. Ratings may change as paint technologies change. Check our website for details.

Find more information at  
[centralstatesmfg.com](http://centralstatesmfg.com)

## MINIMUM SPECIFICATIONS FOR PRIME PAINTED PANELS

**GAUGE**  
24 ga.

**STEEL THICKNESS**  
0.023"

**PAINT THICKNESS**  
 Top coat paint: .70 mil  
 Top coat primer: .30 mil  
 Bottom coat backer: .35 mil  
 Bottom coat primer: .20 mil

**TOTAL THICKNESS**  
0.02455"

**RUST PROTECTANT SUBSTRATE**  
Galvalume® AZ50

**STEEL STRENGTH**  
50,000 PSI min

**PAINT SYSTEM**  
Fluropon®

**WARRANTY**  
 Lifetime limited paint adhesion  
 30-yr. chalk and fade  
 20-yr. Galvalume perforation

## TESTING & APPROVALS

### TESTING

- ASTM-E1592.1 Structural Test for Roof Systems, 24 ga.
- ASTM-E1680 Air Leakage Test Through Exterior Metal Roof Panel
- ASTM-E1646 Water Leakage Test of Exterior Metal Roof Panel
- FM4471 Foot Traffic Resistance Test

### APPROVALS

- UL2218 UL Approval, Impact Resistance, Class 4
- UL580 UL Approval, Uplift Resistance, Class 90
- UL790 UL Approval, Fire Resistance, Class A
- FL14016.1 Florida Approval, 24 ga. Roof Panel Over Open Supports (NON-HVHZ)
- RC-448 Texas Windstorm Approval, 24 ga., With Wind Clamps, Over Steel Purlins
- RC-449 Texas Windstorm Approval, 24 ga. Over Steel Purlins