



Quality

Service



Experience

Relationships

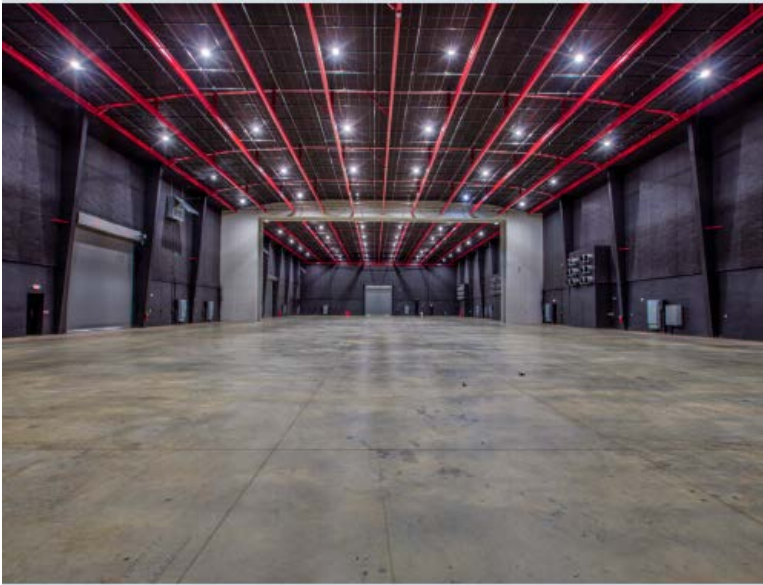


About Ascent

Ascent Buildings, LLC was founded in October of 2020 as a full service pre-engineered building manufacturer. Based in Portland, TN, Ascent manufactures quality pre-engineered steel buildings from our 200,000 sq.ft. facility. Ascent Buildings is IAS AC472 accredited and a member of MBMA. Engineering and sales support offices are located in Cullman, AL and Nashville, NC. In addition to our own manufacturing, Ascent has formed strategic partnerships with key suppliers and vendors in order to offer a broad product line and remain flexible and nimble in an every changing market.

Ascent Buildings, LLC was formed because there exists a dire need in the pre-engineered steel building industry for a customer focused company, built on the principles of quality and service. In the automated and technology driven world in which we live, there is something important that has been forgotten... the basics of our business: building and retaining relationships, quality, and customer service. Those core values are what Ascent Buildings, LLC is founded upon, and what will drive us to ascend to the top of your list as the most trusted steel building manufacturer.

Ascent Buildings, LLC is loaded with talented employees. Experienced industry veterans at every position. Our dedicated employees were raised in this business, and all have one common goal... to service the customer. To be the best, we believe we need to employ the best. These professionals sell, process, engineer, and manufacture the highest quality building possible. From the initial meeting with your district manager, until our building hits your jobsite, there will be an obvious focus on providing the product you need, when you need it, and with an ease of doing business unlike anyone else in the industry.



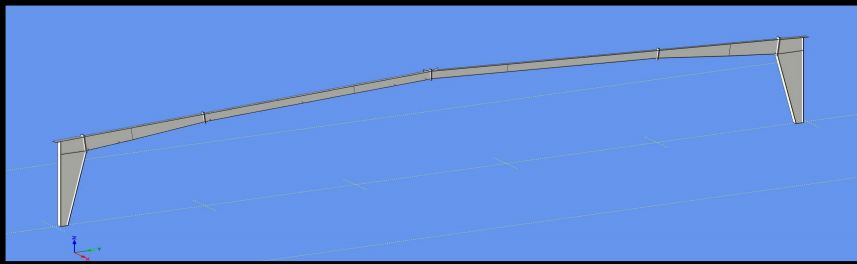
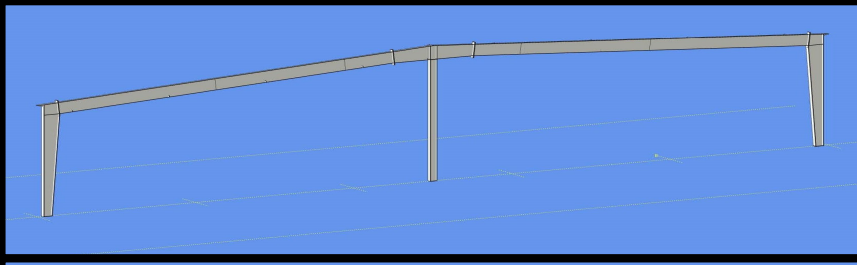
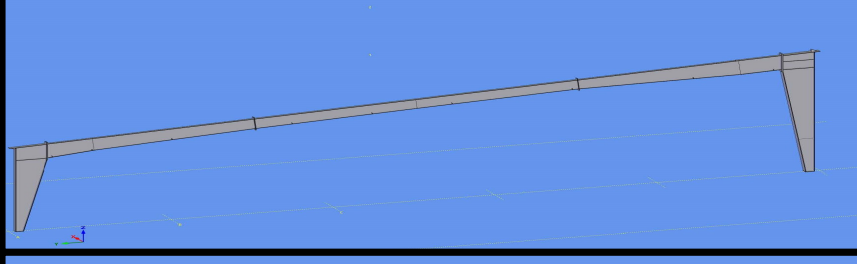
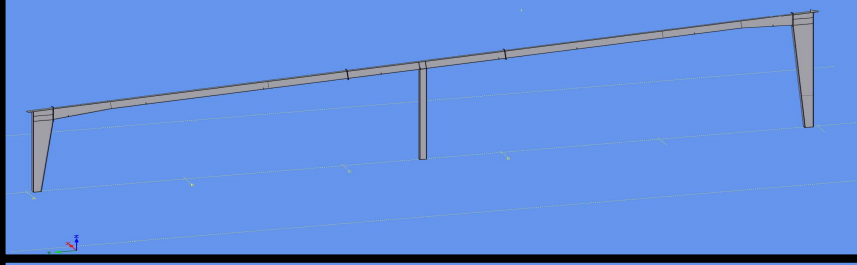
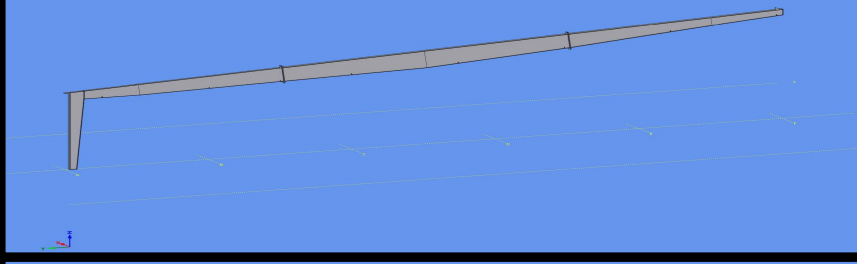
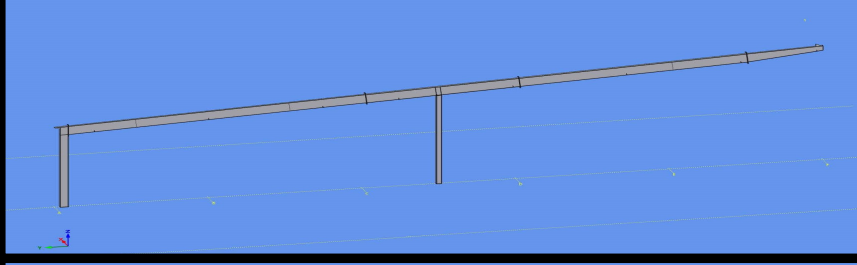
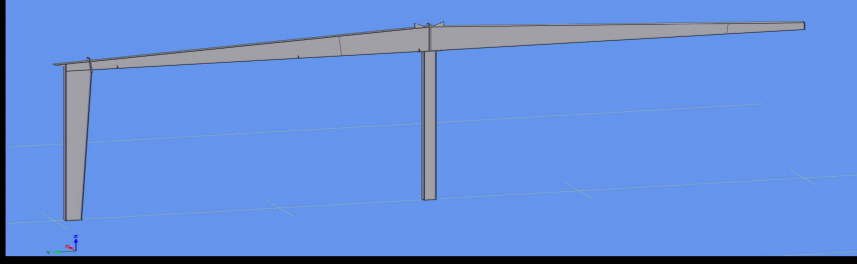
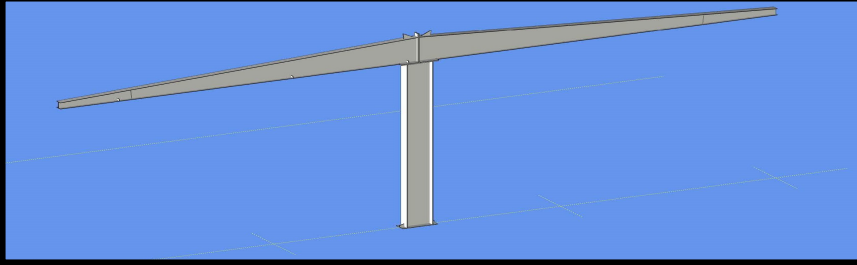
Webster's Definition of ascent:
The act of rising or mounting upwards

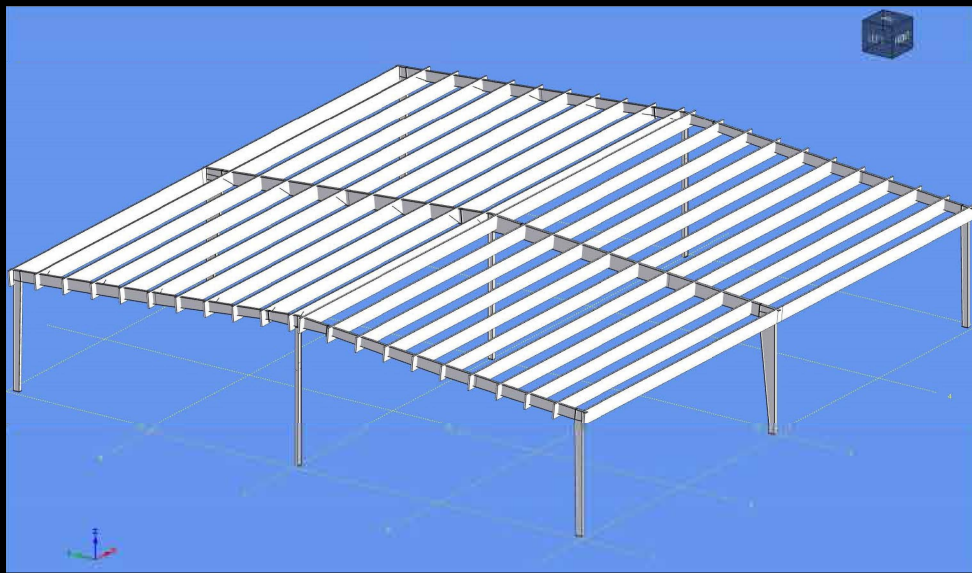
The very definition of our name describes a company on the rise. It would be our honor for you to join us, and partner with us, on our journey to the top!

Framing Systems

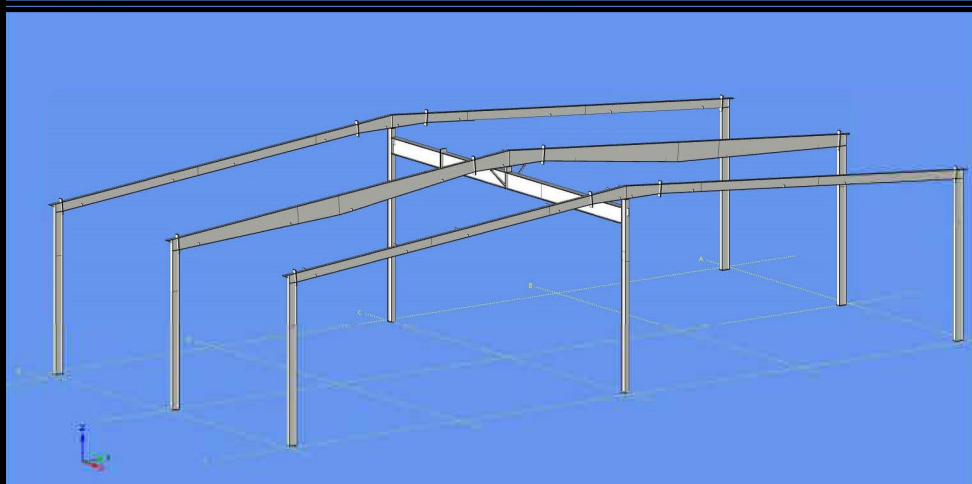
Ascent Building Systems specializes in manufacturing 3 plate built up frames and hot rolled structural framing. From typical clear span rigid frames common to the pre-engineered building industry, to advanced framing such as cranes, mezzanines, and jack beams, Ascent has you covered. Powered by MBS (*Metal Building Software*), we have a broad spectrum of framing solutions available at our fingertips to provide solutions for your building requirements.



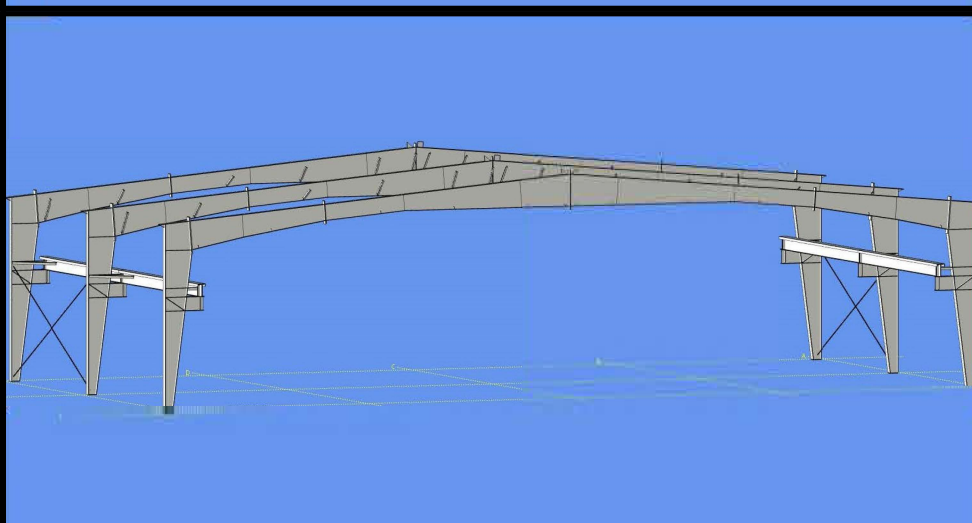
	Clear Span, Sym. Gable Rigid Frame
	Modular, Sym. Gable Rigid Frame
	Clear Span, Single Slope Rigid Frame
	Modular, Single Slope Rigid Frame
	Clear Span Lean-To Frame
	Modular Lean-To Frame
	T-Hangar Frame
	T-Shed Frame



Roof Joists for long span bays



Jack Beams



Crane Systems



214 Fountainhead Road
Portland, TN 37418
888-507-9568

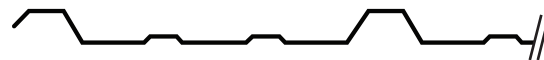


R-Loc

Commonly referred to as PBR-panel, this 26-gauge commercial panel is an outstanding choice for any project that requires commercial-grade performance. R-Loc is designed to maximize the potential of your structure, specifically the steel frame.

With the added purlin bearing leg, R-Loc provides easier installation and a more pleasing appearance.

- Industry standard configuration allows maximum purlin spacing for a cost-effective building.
- Ideal for low-pitch commercial roofs.
- Matching trims and accessories are available.



RECOMMENDED 1½:12 PITCH AND ABOVE	26 GAUGE	36" OVERALL COVERAGE	1¼" MAXIMUM RIB HEIGHT
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Choose CentralGuard® for the best protection and a lifetime warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Available on our Prime panels, the CentralGuard name is a guarantee that you have the best protection and a lifetime paint warranty.

Choose CentralGuard for the perfect balance of fade protection, rust blocking, and dent resistance.

	PRIME CentralGuard
FADE PROTECTION	
Paint Warranty	LIFETIME
Paint Thickness	THICK 1.0 mil
Fade Warranty	30-YEAR
Fade Protection	✓✓
RUST BLOCKING	
Advanced Rust Blocking	✓✓
Perforation Warranty	20-YEAR
Substrate Thickness	1.60 mil
DENT RESISTANCE	
Advanced Dent Resistance	✓✓
Steel Thickness	THICK
Steel Gauge	26 ga.
INSTALLATION	
Purlin Bearing Leg	✓✓



MINIMUM SPECIFICATIONS FOR PRIME PAINTED PANELS

GAUGE	26 ga. 24 ga.*
STEEL THICKNESS	26 ga. 0.0185" 24 ga. 0.023"
PAINT THICKNESS	Top coat paint: .70 mil Top coat primer: .30 mil Bottom coat backer: .35 mil Bottom coat primer: .35 mil
TOTAL THICKNESS	26 ga. 0.0202" 24 ga. 0.0247"
RUST PROTECTANT SUBSTRATE	Galvalume® AZ50
STEEL STRENGTH	80,000 PSI (26 ga.) 50,000 PSI (24 ga.)
PAINT SYSTEM	SMP
WARRANTY	Lifetime limited paint adhesion 30-yr. chalk and fade 20-yr. Galvalume perforation

TESTING & APPROVALS

TESTING	
AISI S907	Diaphragm Shear Cantilever Test, 26 ga.
ASTM-E455	Diaphragm Shear Standard Test, 26 ga.
ASTM-E1592	Structural Test for Roof Systems Over Open Purlin, 26 ga.
ASTM-E1592	Structural Test for Roof Systems Over Solid Decking, 26 ga.
ASTM-E1646	Water Leakage Test of Exterior Metal Roof Panel, 26 ga.
FM4471	Foot Traffic Resistance Test, 26 ga.
APPROVALS	
UL2218	UL Approval, Impact Resistance, Class 4
UL580	UL Approval, Uplift Resistance, Class 90
UL790	UL Approval, Fire Resistance, Class A
RC-424	Texas Windstorm Approval, 26 ga. min. Over Steel Purlins
RC-576	Texas Windstorm Approval, 26 ga. min. Over Plywood Deck, OSB Deck, or Wood Purlins
FL14024.1	Florida Approval, Wall Panel 26 ga. min. Over Steel Purlins (NON-HVHZ)
FL14016.3	Florida Approval, Roof Panel 26 ga. min. Over Steel Purlins (NON-HVHZ)
FL14026.5	Florida Approval, Roof Panel 26 ga. min. Over 1½" Plywood (NON-HVHZ)

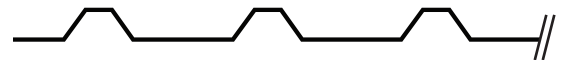
* 24 ga. available in Polar and Galvalume, acrylic-coated bare in select plants



M-Loc

This versatile panel has long served customers with lasting durability and a pleasing appearance. Its sturdy design provides resistance to the most severe weather and is an excellent choice when the project requires a commercial-strength panel with a low-rib appearance.

- M-Loc is a structural roof and wall panel that can be installed directly over purlins, joists, or solid decking.
- This panel is produced in our Cedar Hill, TX, and Mount Airy, NC, facilities. Longer lead times may apply.



RECOMMENDED 1:12 PITCH AND ABOVE	26 GAUGE	36" OVERALL COVERAGE	13/16" MAXIMUM RIB HEIGHT
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Choose CentralGuard® for the best protection and a lifetime warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Available on our Prime panels, the CentralGuard name is a guarantee that you have the best protection and a lifetime paint warranty.

Choose CentralGuard for the perfect balance of fade protection, rust blocking, and dent resistance.

	PRIME CentralGuard
FADE PROTECTION	
Paint Warranty	LIFETIME
Paint Thickness	THICKER 1.0 mil
Fade Warranty	30-YEAR
Fade Protection	✓✓
RUST BLOCKING	
Advanced Rust Blocking	✓
Perforation Warranty	20-YEAR
Substrate Thickness	1.60 mil
DENT RESISTANCE	
Advanced Dent Resistance	✓✓
Steel Thickness	THICK
Steel Gauge	26 ga.
INSTALLATION	
Purlin Bearing Leg	✓



MINIMUM SPECIFICATIONS FOR PRIME PAINTED PANELS

- GAUGE**
26 ga. | 24 ga.*
- STEEL THICKNESS**
26 ga. 0.0185" | 24 ga. 0.0230"
- PAINT THICKNESS**
Top coat paint: .70 mil
Top coat primer: .30 mil
Bottom coat backer: .35 mil
Bottom coat primer: .35 mil
- TOTAL THICKNESS**
26 ga. 0.0202" | 24 ga. 0.0247"
- RUST PROTECTANT SUBSTRATE**
Galvalume® AZ50
- STEEL STRENGTH**
80,000 PSI (26 ga.) | 50,000 PSI (24 ga.)
- PAINT SYSTEM**
SMP
- WARRANTY**
Lifetime limited paint adhesion
30-yr. chalk and fade
20-yr. Galvalume perforation

TESTING & APPROVALS

- APPROVALS**
 - UL2218 UL Approval, Impact Resistance, Class 4
 - UL580 UL Approval, Uplift Resistance, Class 90
 - UL790 UL Approval, Fire Resistance, Class A
 - RC-445 Texas Windstorm Approval, 26 ga. min. Over Steel Purlins
 - FL30071 Florida Approval, Roof Panel 26 ga. min. Over Steel Purlins
 - FL14016 Florida Approval, Roof Panel 26 ga. min. Over Steel Purlins (NON-HVHZ)

* 24 ga. available in Polar and Galvalume, acrylic-coated bare in select plants

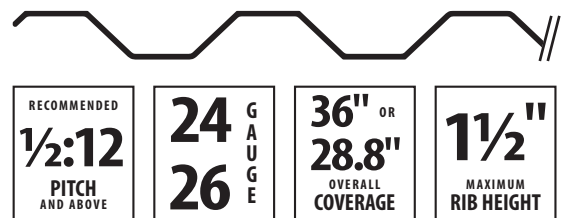


7.2 Panel

Available in 24 and 26 ga., our 7.2 panel is a great choice for both commercial and industrial applications. This exposed fastener panel can be installed horizontally or vertically. It's symmetrical, repeating pattern gives the classic deep-rib look that architects love, and is great for canopies and carports.

7.2 panel is available in both 36" and 28.8" coverage.

- Excellent load and spanning strength.
- Available in 36" and 28.8" coverage.
- Ideal for canopies, carports, and low-pitch commercial roofs.



Choose CentralGuard® for the best protection and a lifetime warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Available on our Prime panels, the CentralGuard name is a guarantee that you have the best protection and a lifetime paint warranty.

Choose Prime for the perfect balance of fade protection, rust blocking, and dent resistance. Upgrade to Ultra for projects that demand the ultimate dent resistance.

	PRIME CentralGuard	ULTRA CentralGuard
FADE PROTECTION		
Paint Warranty	LIFETIME	
Paint Thickness	THICKER 1.0 mil	
Fade Warranty	30-YEAR	
Fade Protection	✓✓	
RUST BLOCKING		
Advanced Rust Blocking	✓	✓
Perforation Warranty	20-YEAR	20-YEAR
Substrate Thickness	1.60 mil	1.60 mil
DENT RESISTANCE		
Advanced Dent Resistance	✓✓	✓✓
Steel Thickness	THICK	THICKEST
Steel Gauge	26 ga.	24 ga.



MINIMUM SPECIFICATIONS FOR PRIME PAINTED PANELS

GAUGE

26 ga. | 24 ga.

STEEL THICKNESS

26 ga. 0.0185" | 24 ga. 0.023"

PAINT THICKNESS

Top coat paint: .70 mil
Top coat primer: .30 mil
Bottom coat backer: .35 mil
Bottom coat primer: .35 mil

TOTAL THICKNESS

26 ga. 0.0202" | 24 ga. 0.0247"

RUST PROTECTANT SUBSTRATE

Galvalume® AZ50

STEEL STRENGTH

80,000 PSI (26 ga.) | 50,000 PSI (24 ga.)

PAINT SYSTEM

SMP

WARRANTY

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

COLOR AVAILABILITY

36" COVERAGE PRIME

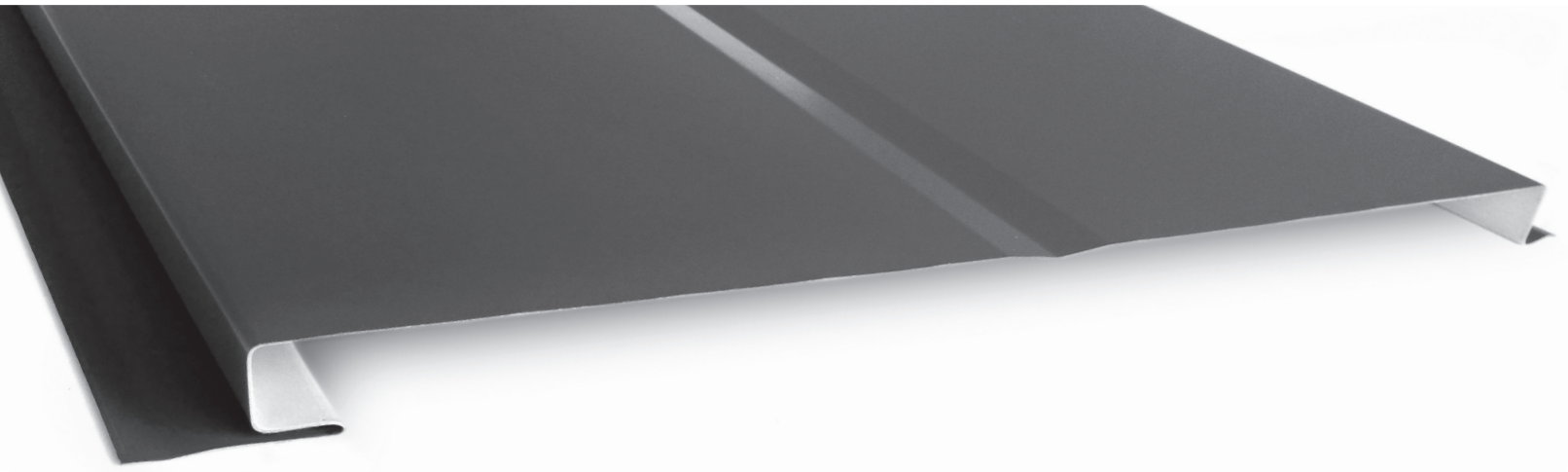
- Brilliant
- Burnished Slate
- Charcoal
- Galvalume
- Gray
- Light Stone

36" COVERAGE ULTRA

- Galvalume

28.8" COVERAGE PRIME

- Brilliant
- Brown
- Burgundy
- Burnished Slate
- Colony
- Copper Metallic
- Crimson
- Charcoal
- Desert
- Fern
- Gallery
- Galvalume
- Gray
- Hawaiian
- Hunter
- Light Stone
- Polar
- Rustic
- Tan

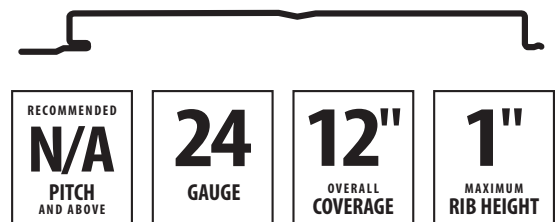


Precision-Loc

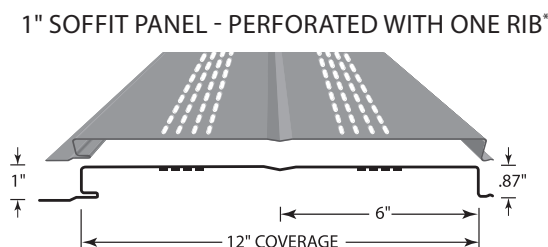
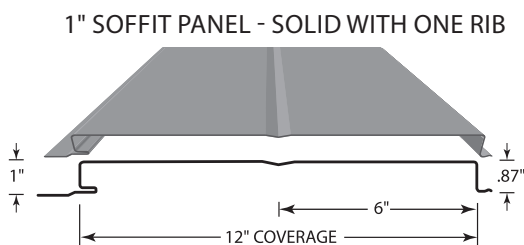
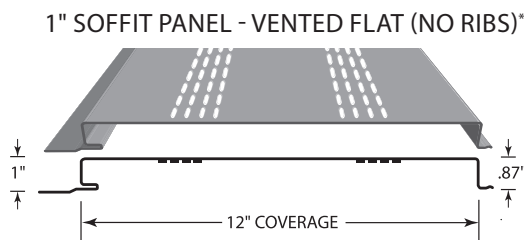
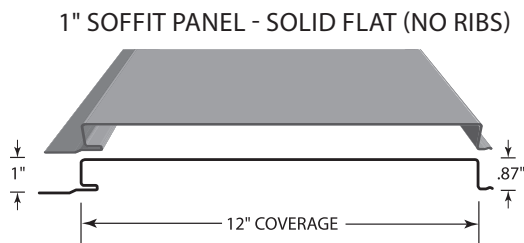
Soffit, Liner, & Fascia Panel

Precision-Loc is a concealed-fastener panel with clean lines that complement a building's eaves and walls. The 12" width offers flexibility in design and is available in solid or vented, with a flat appearing finish or with one stiffening groove.

- Excellent 1" deep soffit panel.
- 12" wide panel with interlocking seam.
- Smooth finish or with one "V" groove.
- Fastens directly to the sub-structure.



Choose the panel that best fits your project.



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: .35 mil

TOTAL THICKNESS
0.0247"

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*

* Due to the penetration of the steel's protective coating, vented profiles are subject to rust and not covered by a perforation warranty.

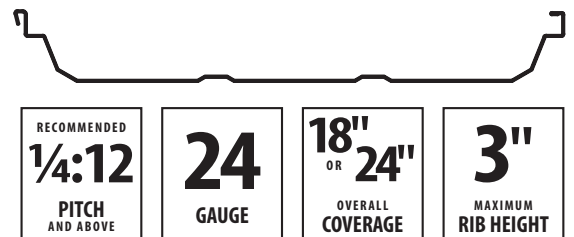


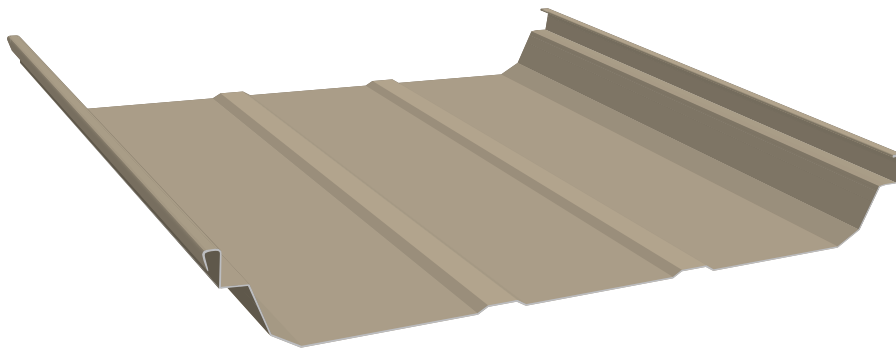
Central Seam Plus standing seam

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.





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
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
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.

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

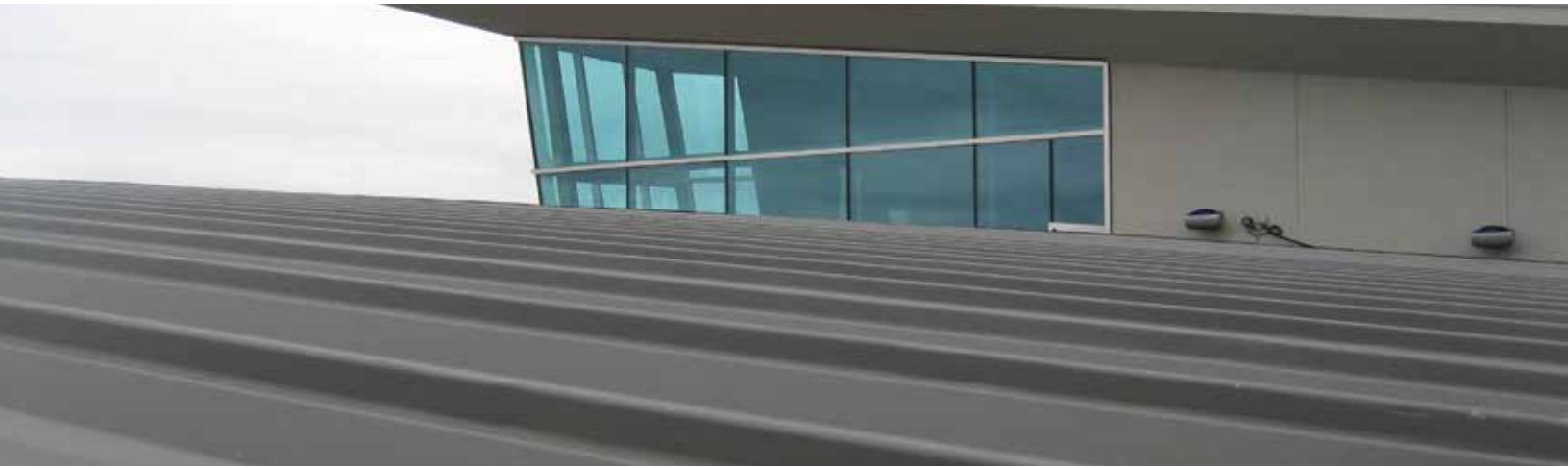
PAINT SYSTEM
Fluropon®

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 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

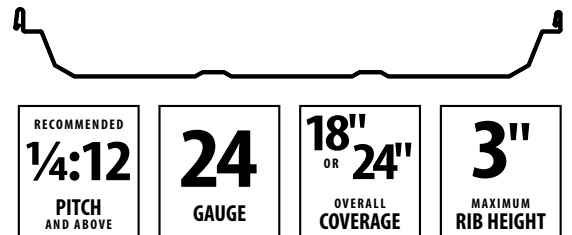


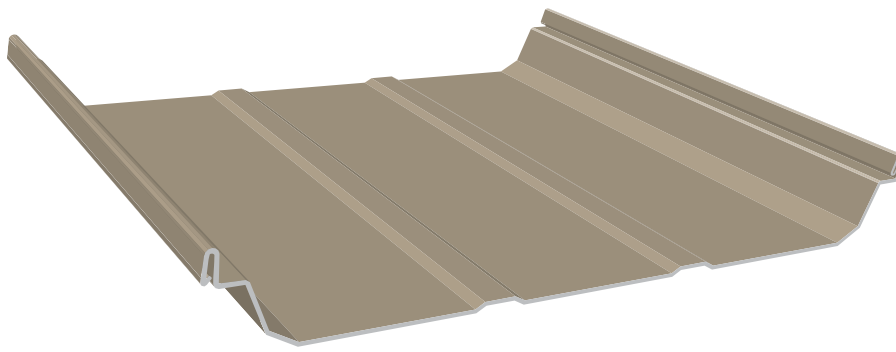
Central-Loc standing seam

Central-Loc is a structural standing seam profile. It is a durable and economical solution for both commercial and industrial applications. The Central-Loc profile has a snap lock-joint for ease of installation.

Floating clips allow for thermal roof expansion and contraction during extreme temperature changes and factory-applied sealant ensures a secure, weather-tight lap.

- Pre-punched panels and self-engaging backup plates for ease of installation.
- Is UL580 class 90 uplift approved, and is ASTM tested for both air and water infiltration.
- Add DripX for condensation control and vapor barrier elimination.





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
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
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

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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-E1680 Air Leakage Test Through Exterior Metal Roof Panel
ASTM-E1646 Water Leakage Test of Exterior Metal Roof Panel

APPROVALS
UL2218 UL Approval, Impact Resistance, Class 4
UL580 UL Approval, Uplift Resistance, Class 90
UL790 UL Approval, Fire Resistance, Class A
FL14016.2 Florida Approval, 24 ga. Roof Panel Over Open Supports (NON-HVHZ)



Central Span standing seam

Central Span is a mechanically-seamed metal panel. It has a standard flat pan with mild striations and a vertical rib, giving it an appearance often favored by traditional architects. Central Span roofs meet the requirements for a wide range of roof slopes, shapes, loads, weather, and related conditions.

- One of the highest uplift ratings in the industry.
- Factory applied sealant.
- Clip provides for thermal movement.
- 90° or 180° seam.

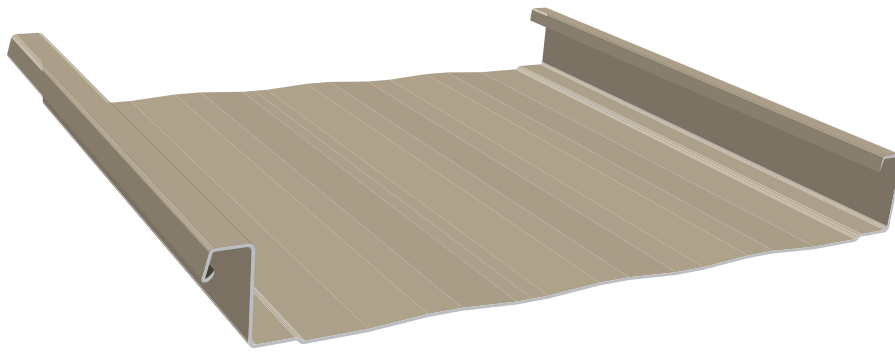


RECOMMENDED
1/4:12
PITCH
AND ABOVE

24
GAUGE

16"
OVERALL
COVERAGE

2"
MAXIMUM
RIB HEIGHT



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
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
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.

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
FM4471 Foot Traffic Resistance Test

ASTM-E1680 Air Leakage Test Through Exterior Metal Roof Panel
ASTM-E1646 Water Leakage Test of Exterior Metal Roof Panel
ASTM-E1592 Structural Test for Roof Systems, 24 ga.
ASTM-E2140 Water Penetration by Static Water Pressure Head

APPROVALS
UL2218 UL Approval, Impact Resistance, Class 4
UL580 UL Approval, Uplift Resistance, Class 90
UL790 UL Approval, Fire Resistance, Class A
RC-446 Texas Windstorm Approval, 24 ga. Quad Lock, Over Steel Purlins
RC-447 Texas Windstorm Approval, 24 ga. Triple Lock, Over Steel Purlins
FL17205 Florida Approval, 16" wide, min 24 ga. Standing Seam Panel over open supports
FL14016 Florida Approval, 24 ga. Roof Panel Over Open Supports (NON-HVHZ)



Central Snap standing seam roof system

Central Snap is a performance-rated, non-structural, standing seam roof system that offers a pleasing architectural look. It has an easy to install 1 $\frac{3}{4}$ " high snap-lock joint, making it ideal for architectural and light commercial applications. Central Snap is available in net coverage widths of 16" or 18", and features a Fluoropon™ paint system.

Central Snap is available with a 1 $\frac{1}{8}$ " notch on either end of the panel for the ease of turning under, reducing installation labor and costs.

- Snaps together, no seaming required.
- Factory applied sealant ensures a weather-tight and secure lap.
- Can be installed over solid decking or open framing, depending upon panel width and support member spans.

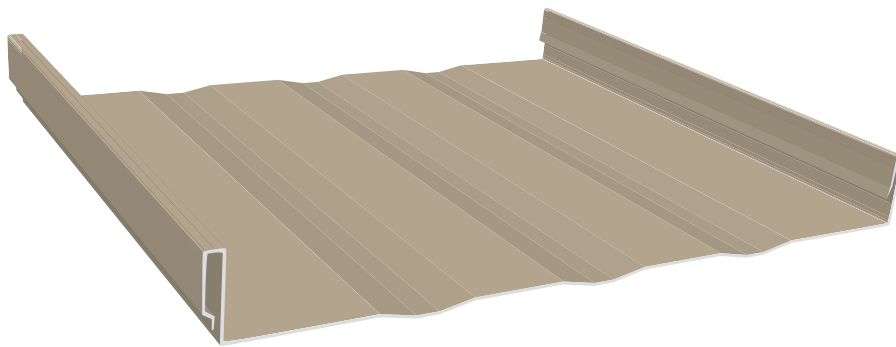


RECOMMENDED
1:12
PITCH
AND ABOVE

24
GAUGE

16"
OR
18"
OVERALL
COVERAGE

1 $\frac{3}{4}$ "
MAXIMUM
RIB HEIGHT



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
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
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

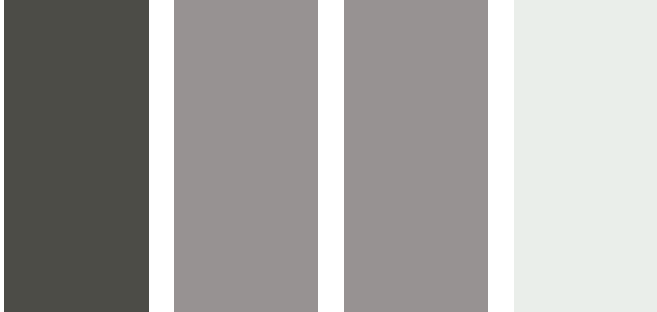
Solar reflectance values are determined by means of a solar spectrum reflectometer in accordance with ASTM C 1549. Thermal emittance values are determined in accordance with ASTM C 1371. Laboratory and Exposure site are ISO 17025 Accredited, Laboratory is also EPA Accredited. Panels are unwashed. Values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

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-E1680 Air Leakage Test Through Exterior Metal Roof Panel
ASTM-E1646 Water Leakage Test of Exterior Metal Roof Panel
UL580 UL Approval, Uplift Resistance, Class 90
- APPROVALS**
UL2218 UL Approval, Impact Resistance, Class 4
UL580 UL Approval, Uplift Resistance, Class 90
UL790 UL Approval, Fire Resistance, Class A
RC-444 Texas Windstorm Approval, 24 ga. Over Plywood Decking
FL14026 Florida Approval, Roof Panel 24 ga. min. Over 1½" Plywood (NON-HVHZ)



**** Smoke**

**** Slate Gray**

Ash

**** Brite**



Choose CentralGuard for the best protection
and a lifetime warranty.

**24 GAUGE FLUOROPON®
70% PVDF**

Architectural Colors

Central-Loc®

**Central Seam
Plus®**

Central Span™

Central Snap®

Precision-Loc™

*** RL, 26ga**

**** RL, 26 & 24ga**



† Weathering and appearance variation, including color, sheen, and spangle, is common in non-painted materials and is not a cause for rejection. For consistent appearance, choose a paint-finished product. Colors on this chart are close representations of actual metal color, limited by printing and viewing conditions. Color matching optimized for outdoor viewing.

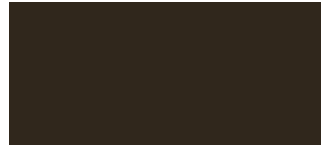
Evergreen



Autumn



*** Dark Bronze**



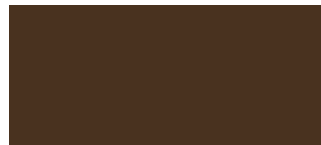
*** Bronze**



Terratone



Tudor



**** Sand**



Galvalume®†

Clear acrylic coating



SHERWIN-WILLIAMS.
Coil Coatings

Choose an energy efficient paint 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	SRI VALUE
Ash	0.32	0.84	32
Autumn	0.26	0.84	24
Brite	0.65	0.85	78
Bronze	0.27	0.86	26
Dark Bronze	0.27	0.85	26
Evergreen	0.26	0.84	24
Galvalume® (Acrylic Coated)	0.69	0.19	62
Sand	0.48	0.86	54
Slate Gray	0.18	0.88	15
Smoke	0.32	0.85	32
Terratone	0.32	0.87	33
Tudor	0.26	0.86	32
Verdigris	0.38	0.86	41

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. SRI is calculated in accordance to ASTM E 1980 with medium wind speed. Panels are unwashed. The Sherwin-Williams company certifies these tests to be true and accurate and performed by their laboratory.

Central-Loc® - 3" Snap-lock
Recommended minimum pitch - 1/4:12 | Purlin spacing - 5'



Central Seam Plus® - 3" Mechanically Seamed Structural
Recommended minimum pitch - 1/4:12 | Purlin spacing - 5'



Central Span™ - 2" Mechanically Seamed Structural
Recommended minimum pitch - 1/4:12 | Purlin spacing - 5'



Central Snap® - 1 3/4" Snap-lock
Recommended min. pitch - 1:12 | Non-structural panel perfect for light commercial applications.



Precision-Loc™ - 1" Soffit and Wall Panel Concealed fastener panel with clean lines that complement a building's walls and soffits.



R-Loc™



(SEE CHART FOR AVAILABLE COLORS)





Charcoal

Desert

Gray

Polar

Brilliant



Choose CentralGuard for the best protection and a lifetime warranty.

26 GAUGE SMP FINISH

Commercial Colors

R-Loc™

M-Loc™

7.2



Fern



Hunter



Colony



Crimson



Rustic



Burgundy



Gallery



Hawaiian



Light Stone



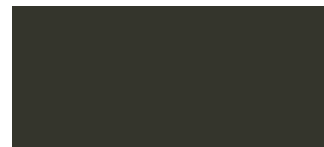
Tan



Brown



Burnished Slate



*Contact your salesperson for accurate pricing. † Color variation between orders is normal and not cause for rejection. ‡ Weathering and appearance variation, including color, sheen, and spangle, is common in non-painted materials and is not a cause for rejection. For consistent appearance, choose a paint-finished product. Colors on this chart are close representations of actual metal color, limited by printing and viewing conditions. Color matching optimized for outdoor viewing.

SHERWIN-WILLIAMS.
Coil Coatings

PREMIUM COLOR

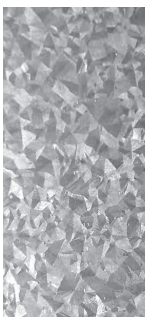
Fluoropon® 70% PVDF
20-year Warranty

Copper Metallic*†
PRIME



Clear acrylic coating

Galvalume®‡



Choose CentralGuard® for the best protection and a lifetime warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Available on our Prime panels, the CentralGuard name guarantees that you have the best protection and a lifetime paint warranty.

Choose Prime for the perfect balance of fade protection, rust blocking, and dent resistance. Upgrade to Ultra for projects that demand the ultimate dent resistance.



	PRIME CentralGuard	ULTRA CentralGuard
FADE PROTECTION		
Paint Warranty	LIFETIME	LIFETIME
Paint Thickness	THICKER 1.0 mil	THICKER 1.0 mil
Fade Warranty	30-YEAR	30-YEAR
Fade Protection	✓	✓
RUST BLOCKING		
Advanced Rust Blocking	✓	✓
Perforation Warranty	20-YEAR	20-YEAR
Substrate Thickness	1.60 mil	1.60 mil
DENT RESISTANCE		
Advanced Dent Resistance	✓✓	✓✓
Steel Thickness	THICK	THICKEST
Steel Gauge	26 ga.	24 ga.
INSTALLATION		
Purlin Bearing Leg	✓	✓
COLOR AVAILABILITY - (Stocked Colors)		
R-Loc	All colors	Galvalume, Burnished Slate, Charcoal, Gray, Light Stone, Polar
M-Loc	All colors	Galvalume Light Stone Polar
7.2 - 36" coverage	Brilliant, Charcoal, Galvalume,	Galvalume
7.2 - 28.8" coverage	All colors	Galvalume Gray

R-Loc™



M-Loc™



7.2 (36" Coverage)



7.2 (28.8" Coverage)



- *Final color selection should be made from actual color chips.*

- See the product selection chart for gauge and finish availability.
- All products are available in smooth or embossed finish.
- Trim is available in all colors.
- Review the sample warranty for complete performance attributes and terms and conditions.

SIGNATURE® 200

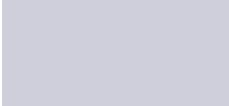
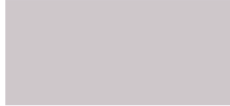
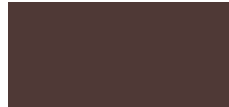
STANDARD COLORS
26- AND 24-GAUGE MATERIAL

Siliconized Polyester

Polar White is a Straight Polyester.

* Also available in 29-gauge

** Minimum quantities and/or extended lead times required for 24-gauge. Please inquire.

				
POLAR WHITE (POLYESTER)	HIGH GLOSS WHITE	WHITE **	BRIGHT WHITE *	HAWAIIAN BLUE
				
COBALT BLUE **	LIGHT STONE	SADDLE TAN	DESERT SAND **	COFFEE BROWN
				
BURNISHED SLATE	ASH GRAY **	DEEP GRAY **	CHARCOAL GRAY	EVERGREEN
				
IVY GREEN **	SCARLET RED **	RUSTIC RED	WINE RED **	TRUE BLACK **

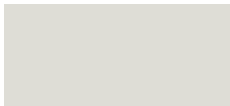
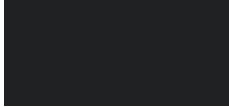
SIGNATURE® 300

STANDARD COLORS
26-GAUGE MATERIAL
PBR, PBU, AVP, PBC, PBD
PANELS ONLY

Also available in 24-gauge

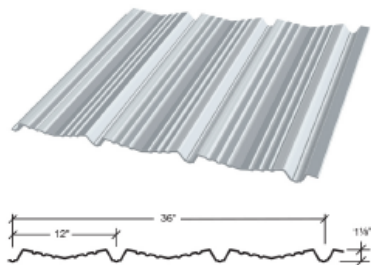
** Minimum quantities and/or extended lead times required for 24-gauge. Please inquire.

† Minimum quantities and/or extended lead times required for all gauges. Please inquire.

				
SNOW WHITE **	BONE WHITE	PACIFIC BLUE	HARBOR BLUE **	ALMOND
				
BROWNSTONE **	MEDIUM BRONZE	MIDNIGHT BRONZE	TUNDRA	SLATE GRAY **
				
STORM GRAY **	CLASSIC GREEN **	BRITE RED **	COLONIAL RED	MIDNIGHT BLACK

The AVP panel can be used for wall application and features pencil ribs, providing improved aesthetics to the building design.

The AVP panel allows for more insulation to be added behind the panel, providing greater insulating values that meet the energy codes and R-Value requirements.



Product Specifications

Applications: Wall

Coverage Widths: 36"

Rib Spacing: 12" on center

Rib Height: 1 1/8"

Panel Attachment: Exposed Fastening System

Gauges: 26 (standard); 22, 24 and 29 (optional)

Finishes: Smooth (standard); Embossed (optional)

Coatings: Galvalume Plus®, Signature® 200, Signature® 300

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
STRUCTURAL	Negative Wind Loads	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
	Positive Wind Load	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
WALL LISTINGS	Wall Performance - Texas Department of Insurance	ASTM E 1592	TWIA provides windstorm and hail insurance in areas exposed to hurricanes and currently provides windstorm and hail coverage in the following 14 "first tier" Texas coastal counties: Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kenedy, Kleberg, Matagorda, Nueces, Refugio, San Patricio and Willacy.	See EC-95
	Wall Performance - Florida Approval	ASTM E1592	Florida product approval is the approval of products and systems, which comprise the building envelope and structural frame, for compliance with the structural requirements of the Florida Building Code.	FL# 42378.3



ARCHITECTURAL WALL PANELS

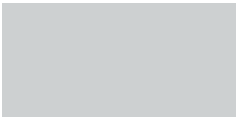
Color Chart

- *Final color selection should be made from actual color chips.*
- All products are available in smooth or embossed finish.
- Trim is available in all colors.
- Review the sample warranty for complete performance attributes and terms and conditions.

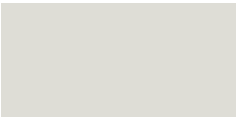
SIGNATURE® 300

STANDARD COLORS

Architectural colors in signature 300 are all standard in 24-gauge.



SNOW WHITE



BONE WHITE



PACIFIC BLUE



HARBOR BLUE



ALMOND



BROWNSTONE



MEDIUM BRONZE



MIDNIGHT BRONZE



TUNDRA



SLATE GRAY



STORM GRAY



CLASSIC GREEN



BRITE RED



COLONIAL RED



MIDNIGHT BLACK

22-gauge requires minimum quantity and extended lead times on all colors.



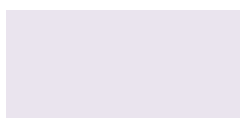
SIGNATURE® 200

STANDARD COLORS

Architectural panels are 24-gauge.
 ** Minimum quantities and/or extended lead times required.



POLAR WHITE
(POLYESTER)



HIGH GLOSS WHITE **



WHITE



BRIGHT WHITE **



HAWAIIAN BLUE



COBALT BLUE **



LIGHT STONE



SADDLE TAN **



DESERT SAND **



COFFEE BROWN



BURNISHED SLATE



ASH GRAY **



DEEP GRAY



CHARCOAL GRAY



EVERGREEN **



IVY GREEN **



SCARLET RED



RUSTIC RED



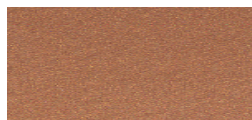
WINE RED **



TRUE BLACK

SIGNATURE® 300

METALLIC



COPPER METALLIC **
SR .46 SRI 51



SILVER METALLIC **
SR .52 SRI 58

** Minimum quantities and/or extended lead times required.
 Please inquire.

Metallic coatings are directional. Panels and trim must be installed oriented in the same direction to prevent perceived shade variances.



DESIGNER® SERIES

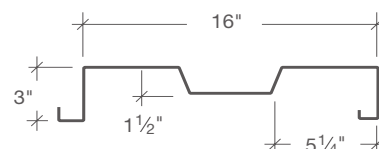


16.0 Fluted

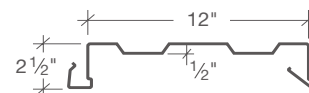
MASTERLINE



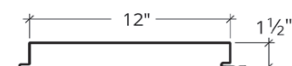
SHADOWRIB™



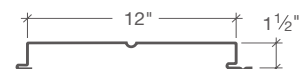
NUWALL®



FW-120



FW 120-0 (with no Beads)



FW 120-1 (with Bead)