

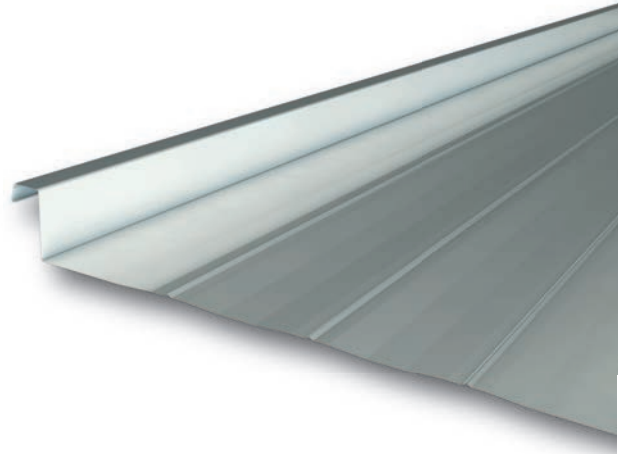
MVF & MVP PANELS

Specifications and Color Options

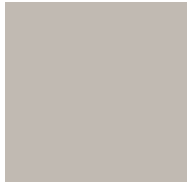
Strength and Versatility

Both the new MVF (Mechanically seamed Vertical leg Flat) and the MVP (Mechanically seamed Vertical leg Pencil-rib) have been engineered for higher uplift capacity, improved performance and erectability. To help reduce the effects of oil canning, the pan of both panels includes striations, while the MVP panel also incorporates pencil ribs into the design.

The MVF and MVP are 24 gauge, mechanically seamed, 50ksi steel roof panels that are ideal for retail stores, dealerships, offices, churches, schools and any building where architectural appearance is desirable. The versatile MVF/MVP panels do not require a structural underlayment, but can be installed over one if desired. With the MVF and MVP panels, Chief Buildings has created a higher performance standard for an industry favorite.



Antique Bronze (AQ)



Ash Gray (AG)



Charcoal Gray (CG)



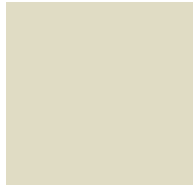
Cherokee (CK)



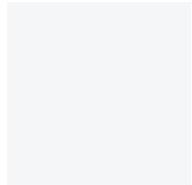
Emerald Green (EG)



Fieldstone (FS)



Parchment (PA)



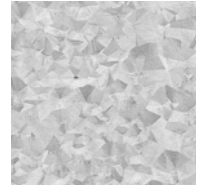
Polar White (PW)



Royale Blue (RB)



Sierra Madre (SM)



Galvalume (GM)

*All colors 24 ga.

**Chief maintains stock inventory of only select colors and Galvalume®. All other colors shown are available as Chief standard colors and may not be in stock.

Polyvinylidene Fluoride Finish (PVDF)

Chief's finish is made with polyvinylidene fluoride resin, where a minimum of 70% of the resin is PVDF. This unique chemistry is combined with acrylic resin, as well as ceramic and select inorganic pigmentation. The result is a proven ability to resist ultraviolet radiation in sunlight for maximum protection against general weathering effects, chalking and fading.

Acrylic Coated Galvalume® (GM)

Chief's exterior roof, wall and trim material is available in an industry standard ASTM A792 Acrylic Coated Galvalume® finish. Galvalume® is a unique coating of 55% aluminum and 45% zinc that resists corrosion. The Galvalume® sheet is coated with a thin, clear acrylic coating applied to both sides.

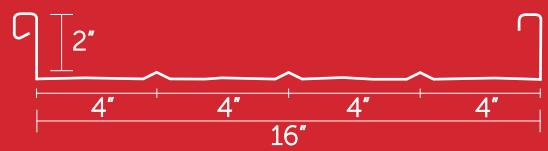
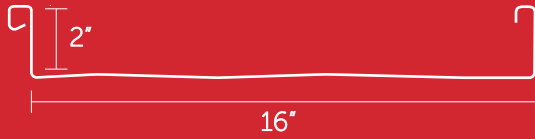
Since all color applications are affected by age, lighting conditions, heat, and mechanical coating processes, the color represented on this page may vary slightly in color or finish from the actual product. Oil canning in the flat areas of panels is inherent of coil steel products and shall not be a cause for product refusal.



PVDF Roof Panel Finish Limited Warranty - 35 year | Galvalume® Panel Limited Warranty - 25 year



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Note: Dimensions are nominal.

MVF

Standing Seam Roof System

- Roll-formed profile shall be MVF (Mechanically seamed Vertical leg Flat panel) as manufactured by Chief Buildings. Panels shall have an interlocking 2" deep vertical leg spaced at 16" center. Each panel shall provide a net coverage width of 16".
- Side laps shall be sealed with factory-applied non-skinning, non-hardening mastic. The side laps shall be field seamed using a mechanical seaming device provided by the manufacturer.
- Panels shall be manufactured from 24 gauge, 50,000 PSI material.
- The MVF roof system shall have concealed clips. Clips shall be floating (sliding) to allow for thermal movement.
- Panels shall be one piece for slope lengths less than 52'. The panel endlap, if required, shall have butyl sealant sandwiched between the top and bottom panel with a heavy gage factory applied metal backer plate.
- Roof panel assemblies shall have a UL Class 90 uplift rating in accordance with UL 580 "Tests for Uplift Resistance of Roof Assemblies".
- Roof system shall have been tested in accordance with the procedures in ASTM E1592 (Structural Performance by Uniform Static Air Pressure Differential).
- Roof panel assemblies shall have permanent resistance to air leakage through assembly of not more than 0.0026 cfm/sf of fixed roof area when tested according to ASTM E1680 at a static pressure differential of 6.25 psf.
- Roof panel assemblies shall have no water penetration as defined in the test method when tested according to ASTM E1646 at a static pressure differential of 12.0 psf.
- No field notching of panels shall be required.
- Panel finish shall be acrylic coated Galvalume® AZ55 coating in accordance with ASTM A792.

OR

Substrate shall be Galvalume® AZ50 coating in accordance with ASTM A792. Sheets shall be coated with a fluoropolymer topcoat containing not less than 70% polyvinylidene fluoride (PVDF) over primer with total DFT of 0.8 - 1.0. The reverse side shall be coated with pigmented polyester. Exterior color to be selected from Chief standard color choices.

MVP

Standing Seam Roof System

- Roll-formed profile shall be MVP (Mechanically seamed Vertical leg Pencil-rib panel) as manufactured by Chief Buildings. Panels shall have an interlocking 2" deep vertical leg spaced at 16" center, with 3 minor pencil ribs evenly spaced between the vertical legs. Each panel shall provide a net coverage width of 16".
- Side laps shall be sealed with factory-applied non-skinning, non-hardening mastic. The side laps shall be field seamed using a mechanical seaming device provided by the manufacturer.
- Panels shall be manufactured from 24 gauge, 50,000 PSI material.
- The MVP roof system shall have concealed clips. Clips shall be floating (sliding) to allow for thermal movement.
- Panels shall be one piece for slope lengths less than 52'-0". The panel endlap, if required, shall have butyl sealant sandwiched between the top and bottom panel with a heavy gage factory applied metal backer plate.
- Roof panel assemblies shall have a UL Class 90 uplift rating in accordance with UL 580 "Tests for Uplift Resistance of Roof Assemblies".
- Roof system shall have been tested in accordance with the procedures in ASTM E1592 (Structural Performance by Uniform Static Air Pressure Differential).
- Roof panel assemblies shall have no air leakage through assembly of not more than 0.0026 cfm/sf of fixed roof area when tested according to ASTM E1680 at a static pressure differential of 6.25 psf.
- Roof panel assemblies shall have no water penetration as defined in the test method when tested according to ASTM E1646 at a static pressure differential of 12.0 psf.
- No field notching of panels shall be required.
- Panel finish shall be acrylic coated Galvalume® AZ55 coating in accordance with ASTM A792.

OR

Substrate shall be Galvalume® AZ50 coating in accordance with ASTM A792. Sheets shall be coated with a fluoropolymer topcoat containing not less than 70% polyvinylidene fluoride (PVDF) over primer with total DFT of 0.8 - 1.0. The reverse side shall be coated with pigmented polyester. Exterior color to be selected from Chief standard color choices.

Color	Initial SRI	Aged SRI
Antique Bronze	33	39
Ash Gray	53	52
Charcoal Gray	35	35
Cherokee	39	35
Emerald Green	30	29
Fieldstone	48	47
Parchment	73	70
Polar White	81	77
Royale Blue	29	29
Sierra Madre	63	60
Galvalume®	62	39

SRI is calculated in accordance to ASTM E 1980 with medium wind speed. The SHERWIN-WILLIAMS COMPANY certifies these tests to be true and accurate and performed by our laboratory. F- Cert Aged 2019-481Rc, Rev.05/16/2018. Galvalume® is a registered trademark of BIEC International, Inc.

