

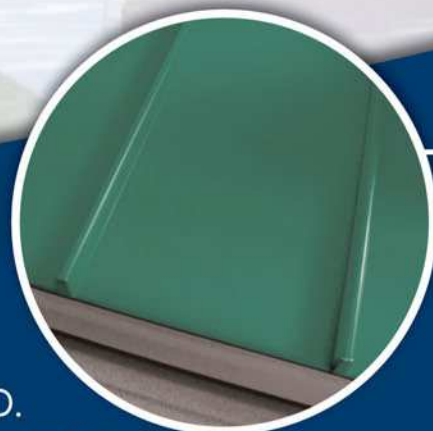


ATAS International, Inc.

Sustainable Building Envelope Technology



A continuous standing seam panel with an integral seam and timeless appearance



A REFINED LOOK, PRECISELY DESIGNED.

DUTCH SEAM[®]

There's a difference with Dutch Seam®

Prior to forming, Dutch Seam® is precision leveled; and with options such as embossing, stiffening ribs, and striations, the potential of visible oil canning is reduced.



Smooth



Embossed



Striations



Stiffening Ribs

Features

APPLICATION

- Precision leveling prior to forming
- Fasteners and clips allow panel to float without causing stress
- Crating for jobsite handling/staging
- Lock and seam are integral part of the panel with no seam caps to install
- Does not require mechanical field seaming
- Can be fastened directly to purlins or solid substrate
- After completing panel interlock, panels can be easily moved into cleats at valley and eave conditions

LONGEVITY

- Fire resistant - will not burn or support combustion
- May be an insurance advantage
- Will not warp, crack, rot or peel
- Industry leading long term warranty
- Resistant to high wind, torrential rain, heavy snow and ice loads
- High quality and time-proven painting and pretreatment technologies
- PVDF Coating System

PERFORMANCE STANDARDS

- Environmentally friendly - ENERGY STAR® qualified colors available. Contact ATAS for current color listings
- Tested in accordance with UL 790/ASTM E 108, UL 580, TAS 125, ASTM E 1592, ASTM E 330, ASTM E 283, ASTM E 331, TAS 100, AAMA 501.1, UL 2218, ASTM E 84 Flame Spread, ICBO AC 166 Penetration
- FBC Approval
- MCA Roofing Certification
- High reflectivity of panels which increases energy efficiency



Specifications

Dutch Seam® SKU: MRD110, MRD150, MRD194

Gauge

.032, .040 aluminum; 24, 22* ga. metallic coated steel; 24* ga. 55% Al-Zn alloy coated steel with acrylic coating; 16*, 20* oz. copper; .027 zinc* (MRD110 only)

Panel Width

11", 15", 19 1/4" (Stiffening ribs standard, specify without ribs or with striations)

Panel Length

Cut to customer specifications with a minimum of 2'-0", maximum to transportation limitations and/or product and project design considerations

Seam Height

1 1/2"

Texture

Embossed, Smooth

Finish

Kynar 500® PVDF or Hylar 5000® PVDF

Colors

Choice of 31 standard colors

Anodized

Clear, Dark Bronze

Accessories

A complete line of trims available in matching colors, gauge, and finish or as specified

Minimum Slope

2:12

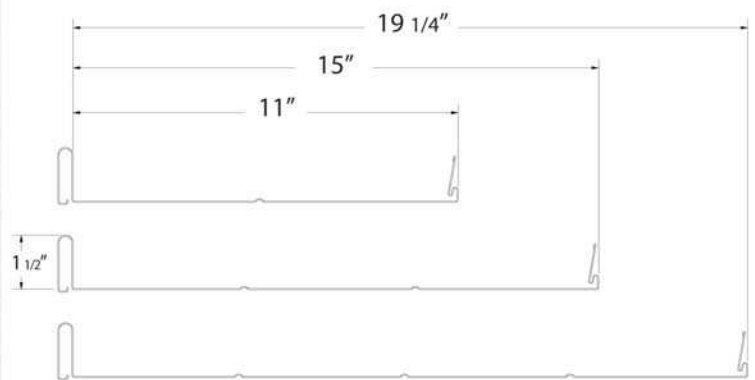
Custom Capabilities

Tapering

*Subject to minimum quantities and longer lead time. Inquire for availability.



Optional sealant is available. Stiffening ribs standard, specify without. Specify with striations.



Dutch Seam® Design Advantages

Dutch Seam® is a highly engineered wind and rain resistant panel system, designed to last lifetimes.



Raised Clip

Integral lock and seam design guards against wind-driven rain and wind uplift, while still allowing for air permeability.



Flat Clip

All factory-cut panel edges concealed within panel interlock, eliminating edge creep

Clip at low point allows loads to be imposed on anchor clip, preventing rotation of seam and providing stronger interlock during an uplift event

STANDARD COLORS

Black (02) SRI: -1	Hartford Green (27) SRI: 23	Regal Blue (18) SRI: 23
Classic Bronze (01) SRI: 2	Forest Green (11) SRI: 29	Siam Blue (14) SRI: 35
Medium Bronze (03) SRI: 33	Hemlock Green (30) SRI: 30	Slate Blue (21) SRI: 31
Chocolate Brown (04) SRI: 25	Patina Green (12) SRI: 47	Rocky Grey (16) SRI: 29
Sierra Tan (09) SRI: 37	Teal (19) SRI: 26	Charcoal Grey (62) SRI: 27
Sandstone (06) SRI: 66	Slate Grey (20) SRI: 39	Dove Grey (13) SRI: 58
Concord Cream (05) SRI: 78	Ascot White (10) SRI: 96	Bone White (26) SRI: 85

PREMIUM FINISH

Clear Anodized (70) SRI: 92	Dark Bronze Anodized (71) SRI: 6
Acrylic Coated Galvalume® (97) SRI: 58	

PREMIUM FINISH

Silersmith (28) SRI: 51	Antique Patina (24) SRI: 25
Brite Red (17) SRI: 39	Champagne (31) SRI: 62
Coppertone (23) SRI: 57	Titanium (35) SRI: 59



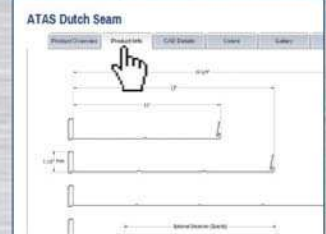
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THE ATAS DIFFERENCE



- Dutch Seam roll former with in line leveler**
- Stationary machine
 - Controlled environment
 - 18 forming stations
 - In line precision leveling

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stress in metal materials and substrates to which metal panels are applied, installed panels may exhibit a perceived waviness in the flat areas of the panel. Commonly the period and amplitude of the waviness is dependent upon the continuous flat width of the panel. This condition is beyond the control of ATAS and consequently this perceived waviness or "oil canning" of the product is not a valid reason for rejection of materials. (Refer to ASTM E 1514, ASTM E 1637 and Metal Construction Association Technical Bulletin 1060 for further clarification). ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting. Inquire for availability. Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown, contact ATAS. Color availability varies by material, gauge and profile. ATAS is not responsible for colors selected from this chart. Contact ATAS for more information.

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