

## 1. PRODUCT NAME

### DUTCH SEAM™ PANEL MRD

## 2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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## 3. PRODUCT DESCRIPTION

### Basic Uses:

Dutch Seam panels are used for roofing on both new construction and re-roof applications. This is a structural panel and can be fastened directly to purlins as well as to solid substrate. Dutch Seam panels can be tapered for placement on a conical roof.

### Composition and Materials:

**Standard Offerings:** Dutch Seam panels are roll-formed from .032, .040 aluminum; 24 gauge metallic coated steel; or 24 gauge 55% Al-Zn alloy coated Steel with acrylic coating.

**Special Offerings:** 16, 20 oz. copper; 22 gauge metallic coated steel; and .8 mm zinc (MRD110 Only). Subject to minimum quantities and lead time.

### Sizes and Profiles:

Dutch Seam panels are 11" wide (MRD110), 15" wide (MRD150), or 19 1/4" wide (MRD194). Panel lengths are cut to customer specifications, with a minimum of 2', maximum to transportation limitations and/or product and project design considerations. Stiffening ribs standard, specify without.

### Color and Finish:

A choice of over 40 stock colors is available in a 70% PVDF finish. (Request color chart or chips). Custom colors available. An anodized finish is available in Clear Satin or Dark Bronze. Texture may be smooth or stucco embossed.

## 4. TECHNICAL DATA

70% PVDF based finishes tested by paint supplier for:

- Dry Film Thickness: ASTM D 1005, ASTM D 1400, ASTM D 4138 or ASTM D 5796
- Specular Gloss: ASTM D 523
- Pencil Hardness: ASTM D 3363
- T-Bend Flexibility: ASTM D 4145

- Mandrel Bend Flexibility: ASTM D 522
- Impact Resistance: ASTM D 2794
- Adhesion: ASTM D 3359
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: ASTM D 5894
- Humidity Resistance: ASTM D 2247
- Accelerated Weathering: ASTM D 822 and ASTM G 155, ASTM G 151 or ASTM G 153
- Color Retention, Florida Exposure: ASTM D 2244
- Chalking Resistance – ASTM D 4214
- Cleveland Condensing Cabinet: ASTM D 4585
- Cure Test, MEK Resistance: ASTM D 5402
- Alkali Resistance, Sodium Hydroxide: ASTM D 1308, Procedure 7.2
- Organic coatings meet requirements of AAMA 2605 when applied to aluminum.

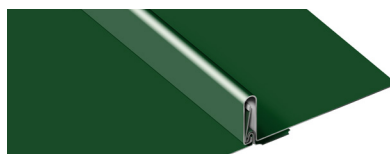
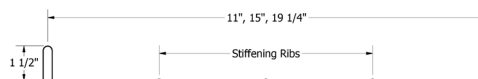
### Panel testing/ratings:

- Structural: ASTM E 330 (Modified)
- Uplift/Load: ASTM E 1592
- UL580 Class 90 (UL File R12113)
- TAS 125
- Air Infiltration: ASTM E 283
- Water Penetration: ASTM E 331
- Wind Driven Rain: TAS 100 AAMA 501.1
- Fire Resistance: UL790/ASTM E 108
- Impact Resistance: UL 2218
- Penetration (Foot Traffic): ICC ES AC166, Par. 4.2
- Florida Product Approval: FL 3556
- Load tables available upon request
- Galvanized Steel: ASTM A 653
- 55% Al-Zn alloy coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Copper: ASTM B 370
- Coil Coating: ASTM A 755

## 5. INSTALLATION

Dutch Seam is a structural continuous standing seam panel with an integral seam designed for roof slopes 2:12 and greater. Installation manuals and hands-on training via seminars are available through ATAS. Visit [www.atas.com](http://www.atas.com) for more information.

## 6. AVAILABILITY AND COST



### Availability:

Dutch Seam panels are readily available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the roof system. Flat sheet and/or coil stock in matching color is also available for fabrication of related accessories by the installing contractor.

### Cost:

Contact ATAS product distributors for current pricing.

## 7. WARRANTY

Products coated with a fluoropolymer, 70% PVDF finish carry a limited warranty against chalking and fading.

## 8. MAINTENANCE

Dutch Seam panels are minimal maintenance. Surface residue is easily removed by conventional cleaning methods. For painted products, minor scratches should be touched up with matching paint, available from the manufacturer.

## 9. TECHNICAL SERVICES

Complete technical information and literature are available at [www.atas.com](http://www.atas.com). ATAS will assist with design ideas and shop drawings.

## 10. FILING SYSTEM

- [www.atas.com](http://www.atas.com)
- Additional product information is available from the manufacturer upon request.

ATAS International, Inc., has the ability to customize panels per specific projects. Please contact the factory to discuss options for your project.

