



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 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 .7mm 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 30 stock colors is available in the KYNAR 500® PVDF or HYLAR 5000® PVDF finish (request color chart or chips). An anodized finish is available in Clear or Dark Bronze. Texture may be smooth or embossed.

### 4. TECHNICAL DATA

KYNAR 500® PVDF or HYLAR 5000® 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 R4

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

Field Tested and Approved

### 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, KYNAR 500® PVDF or HYLAR 5000® PVDF finish carry a limited warranty against chalking and fading.

### 8. MAINTENANCE

Dutch Seam panels are virtually maintenance free. 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.*

