

## 1. PRODUCT NAME

### RIGID WALL™ MFR160

## 2. MANUFACTURER

ATAS INTERNATIONAL, INC.  
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Allentown, PA 18106  
Phone: (800) 468-1441  
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Mesa, AZ 85204  
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## 3. PRODUCT DESCRIPTION

### Basic Uses:

Rigid Wall is a 16" wide by 7/8" deep panel that provides dramatic shadow lines with its 1 5/8" wide ribs. The system utilizes concealed fasteners to offer uninterrupted vertical or horizontal sight lines.

### Composition & Materials:

**Standard Offerings:** Rigid Wall panels are roll-formed from .032, .040 and .050 aluminum; 22 and 24 gauge metallic coated steel; and 22 and 24 gauge 55% Al-Zn alloy coated steel with acrylic coating.

**Special Offerings:** 18 and 20 gauge metallic coated steel; 1.0 mm zinc; and 18 and 20 gauge 55% Al-Zn alloy coated steel with acrylic coating may be specified, subject to minimum quantities and lead time.

### Sizes:

Rigid Wall panels have a 16" wide nominal coverage. Panel lengths are cut to customer specifications, with a minimum of 6'-0" and maximum to transportation limitations and/or product and project design considerations.

### Colors & Finishes:

A choice of over 35 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 embossed. Perforations are available.

## 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 and ASTM D 5487
- Humidity Resistance: ASTM D 2247
- Accelerated Weathering: ASTM D 822 and ASTM G 23, 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:

- UL Fire resistance rating design numbers: See [www.ul.com](http://www.ul.com), File R12113, or contact ATAS for current listing.
- Galvanized Steel: ASTM A 653
- 55% Al-Zn alloy Coated Steel with acrylic coating : ASTM A 792
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755
- Load Tables available upon request.

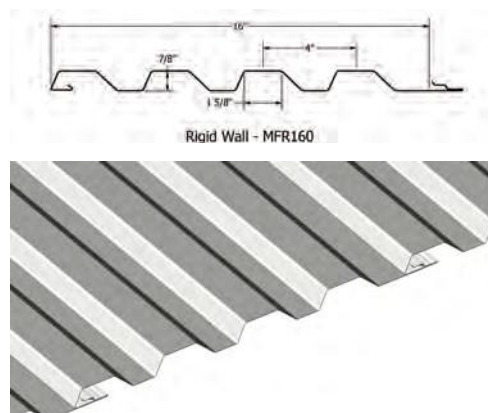
## 5. INSTALLATION

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 & COST

### Availability:

Rigid Wall panels are available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the wall system. In addition, a complete line of rainware and perimeter roof edge trims



can be supplied by ATAS to complement the wall system. Flat sheet and/or coil stock is available in matching color for fabrication of related components 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

Rigid Wall panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. For painted products, minor scratches should be touched up with a 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.







Rockville Pike | Rockville, MD  
Rigid Wall: Black

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Wolfe Modern Homes | Harrisonburg, VA

Rigid Wall: 55% Al-Zn Alloy Coated Steel With Acrylic Coating | Dutch Seam: Redwood

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Britt Motor Sports | Wilmington, NC  
Rigid Wall: Bone White

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National Auto Warranty Service Center | Wentzville, MO

Rigid Wall: Regal Blue | Opaline (OPM045): Classic Bronze

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Blumenfeld Development Group | Syosset, NY

Rigid Wall: Ascot White

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West County Nissan | Manchester, MO  
Rigid Wall: Silversmith

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Animal Critical Care | Virginia Beach, VA  
Rigid Wall: Ascot White

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Ann Arbor Municipal Building | Ann Arbor, MI  
Rigid Wall: Dove Grey, Silversmith, Custom Grey

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Cream Street Condos | Charlottesville, VA

Rigid Wall: Clear Satin Anodized

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Porsche of Farmington Hills | Farmington Hills, MI

Rigid Wall: Black

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Eureka Springs High School | Eureka, AR

Rigid Wall: Rocky Grey | Multi-Purpose Panels (MPN080 & MPN120): Slate Grey, Antique Patina | Belvedere 6" Short Rib: Brite Red

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Life Stream Church | Allendale, MI  
Rigid Wall: Slate Grey | Opaline (OPF040): Coppertone

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Prairie Elementary School | Adrian, MI  
Rigid Wall: Custom Blue | Multi-Purpose Panel: Custom Blue









Sheetz Schwellness Center | Claysburg, PA  
Rigid Wall: Silversmith

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Treatment Center | Wilmington, NC  
Rigid Wall: Bone White

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Fred Lavery Porsche | Birmingham, MI  
Rigid Wall: Black

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