

## 1. PRODUCT NAME

1 ½" FIELD-LOK™  
FLM125, FLM165, FLM207

## 2. MANUFACTURER

ATAS INTERNATIONAL, INC.  
Website: [www.atas.com](http://www.atas.com)  
Email: [info@atas.com](mailto:info@atas.com)  
Corporate Headquarters:  
Allentown, PA 18106  
Phone: (800) 468-1441

## 3. PRODUCT DESCRIPTION

### Basic Uses:

1 ½" Field-Lok panel is a mechanically seamed, double-locked, non-structural panel ideally suited for both straight and convex curved applications. These panels may also be used for tapered installations. This 1 ½" standing seam panel offers an economical alternative to snap-on seams, while also maintaining the flexibility of being curved.

### Compositions & Materials:

**Standard Offerings:** 1 ½" Field-Lok panels are roll-formed from .032, .040 aluminum; 24 gauge metallic coated steel; 24 gauge 55% Al-Zn alloy coated steel with acrylic coating.

**Special Offerings:** 22 gauge metallic coated steel; 16, 20 oz. copper; .7 mm zinc; .0197 classic & tin matte stainless steel. Subject to minimum quantities and lead time.

### Sizes:

The FLM panels have 1 ½" high seam heights and are available in 12 ½" (FLM125), 16 ½" (FLM165) and 20 ¾" (FLM207) widths. Plank ribs standard, specify with or without striations. Panel lengths are made to customer specifications, with a minimum of 4'-0" and a maximum to transportation limitations and/or product and project design considerations. Custom tapering of panels is available. Contact factory for limitations.

### Colors & Finishes:

A choice of over 40 stock colors is available in a 70% PVDF finish (request color chart or chips). An anodized finish is available in Clear Satin or Dark Bronze. Texture is smooth or stucco embossing (available in 24 ga. steel & .032 aluminum only).

## 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

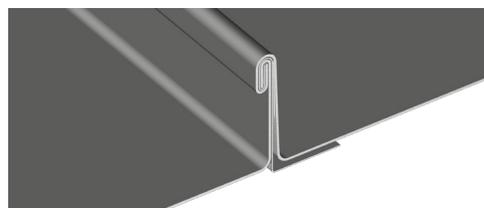
- Impact Resistance: ASTM D 2794
- Adhesion: ASTM D 3359
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: ASTM D 5894 and ASTM D 5487
- Humidity Resistance: ASTM D 2247
- Accelerated Weathering: ASTM D 822 and ASTM G 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
- Flame Spread Rating: ASTM E 84
- Organic coatings meet requirements of AAMA 2605 when applied to aluminum

### Panel testing/ratings:

- Uplift/Load: ASTM E 1592
- Uplift: UL 580 Class 90, UL 1897 and PA 125
- Air Infiltration: ASTM E 283
- Water Penetration: ASTM E 331
- UL Fire resistance rating design numbers: see [www.ul.com](http://www.ul.com), File R12113, or contact ATAS for current listing.
- Impact resistance: UL 2218
- Foot Traffic: ASTM E 380
- 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

The panel is installed with an expansion clip. Field seaming equipment is necessary to complete installation of this panel. The seaming tool may be rented from ATAS at a weekly rate. Optional factory sealant is also available. Recommended minimum slope is 2:12. Installation details 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:

1 ½" Field-Lok panels are readily available through ATAS product distributors. A complete line of related components and trim accessories are available to complete a project. Flat sheet and/or coil stock in matching colors are 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

1 ½" Field-Lok panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. For painted products, minor scratches may be touched up with a matching paint, available from the manufacturer.

## 9. TECHNICAL SERVICES

Complete technical information and literature are available [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 for specific projects. Please contact the factory to discuss options for your project.

