

## 1. PRODUCT NAME

**2<sup>3</sup>/<sub>8</sub>" FIELD-LOK™**  
**FLS137, FLS180**

## 2. MANUFACTURER

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

## 3. PRODUCT DESCRIPTION

### Basic Uses:

2<sup>3</sup>/<sub>8</sub>" Field-Lok is a panel with a Triple Lock Design that is interlocked in the field by use of a mechanical seamer. The panel is designed to meet the stringent requirements of new building codes and specifications relating to weathertightness and wind loads. It incorporates a double beam, double hook, sidelap design to resist beam failure between supports and sidelap unfurling and unzipping.

### Composition & Materials:

**Standard Offerings:** 2<sup>3</sup>/<sub>8</sub>" 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. Subject to minimum quantities and lead time.

### Sizes:

Panel width is available in 13<sup>3</sup>/<sub>4</sub>" (FLS137) or 18" (FLS180) with a 2<sup>3</sup>/<sub>8</sub>" vertical seam height. Two stiffening ribs are located in the pan area of the panel, with the options of having no ribs or striated patterns. Panel lengths are cut to customer specifications with a 4' -0" minimum and a maximum to transportation limitations and/or product and project design considerations. Plank ribs are standard, specify without ribs or with striations.

### Colors & Finishes:

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 is smooth and stucco embossed (available in 24 ga. steel & .032 and .040 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

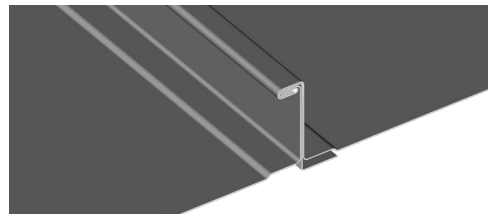
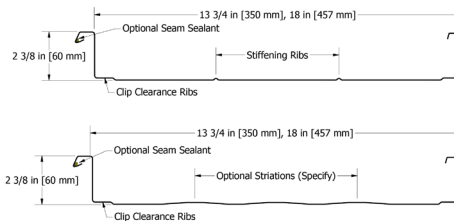
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: ASTM D 5894 and ASTM D 5487
- Humidity Resistance: ASTM D 2247
- Accelerated Weathering: ASTM D 822 and ASTM G 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
- 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 (CEGS 07416); UL 580 and UL 1897
- Air Infiltration: ASTM E 1680
- Water Penetration: ASTM E 1646
- Water Penetration: ASTM E 2140
- Tested in accordance with FM 4471
- Florida Product Approval: FL 3556
- Galvanized Steel: ASTM A 653
- 55% Al-Zn alloy Coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755
- Load Tables available upon request.

## 5. INSTALLATION

Field seaming equipment is necessary to install this panel. An expansion clip is used to allow for thermal movement. Optional factory sealant is also available. Factory applied sealant is recommended for all roof slopes below 2:12. Recommended minimum slope is ½:12 or greater. Installation details or hands-on training via seminars are available through ATAS. Visit [www.atas.com](http://www.atas.com) for more information.



## 6. AVAILABILITY & COST

### Availability:

2<sup>3</sup>/<sub>8</sub>" Field-Lok 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 are 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

2<sup>3</sup>/<sub>8</sub>" Field-Lok 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.

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

