



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### 2 3/8" FIELD-LOK™ FLS137, FLS180

### 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: (610) 395-8445

#### Western Facility:

Mesa, AZ 85201

Phone: (480) 558-7210

#### Southern Facility:

Maryville, TN 37801

Phone: (800) 468-1441

### 3. PRODUCT DESCRIPTION

#### **Basic Uses:**

2 3/8" 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:** Field-Lok panels are roll-formed from .032 and .040 Aluminum; 24 gauge Metallic Coated Steel.

**Special Offerings:** 22 gauge Metallic Coated Steel; 22 or 24 gauge 55% Al-Zn Coated Steel with acrylic coating.

#### **Sizes:**

Panel width is available in 13 3/4" (FLS137) or 18" (FLS180) with a 2 3/8" 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' minimum and a maximum to transportation limits.

#### **Colors & Finishes:**

A choice of 30 colors is available in a KYNAR 500® PVDF or HYLAR 5000® PVDF finish. (Request color chart or chips).

### 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 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

Tested in accordance with FM 4471

Florida Product Approval: FL 3556-R1

Galvanized Steel: ASTM A 653

55% Al-Zn Coated Steel: ASTM A 792

Aluminum: ASTM B 209

Coil Coating: ASTM A 755

Field Tested and Approved.

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. Installation manuals 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 3/8" 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, KYNAR 500® PVDF or HYLAR 5000® PVDF finish carry a thirty (30) year limited warranty against cracking, peeling, chalking and fading.

### 8. MAINTENANCE

Field-Lok panels are virtually maintenance free. Surface residue may be easily removed by conventional cleaning methods. Minor scratches may 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.construction.com](http://www.construction.com)
- [www.atas.com](http://www.atas.com)
- Additional product information is available from the manufacturer upon request.

