



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### 2" FIELD-LOK PANEL FLR154, FLR195

### 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

Fax: (610) 395-9342

#### Western Facility:

Mesa, AZ 85204

Phone: (480) 558-7210

Fax: (480) 558-7217

#### Southern Facility:

Maryville, TN 37801

Phone: (800) 468-1441

### 3. PRODUCT DESCRIPTION

#### **Basic Uses:**

2" Field-Lok is a mechanically seamed, double-locked structural panel that can meet severe loading requirements. This panel can also be seamed with a single fold, which meets the needs for a structural panel and provides a weather tight roof.

#### **Composition & Materials:**

**Standard Offerings:** 2" Field-Lok panels are roll-formed from .032 Aluminum; 24 gauge Metallic Coated Steel.

**Special Offerings:** 22 gauge Metallic Coated Steel; 24 gauge 55% Al-Zn Coated Steel with acrylic coating; 16 oz and 20 oz copper.

#### **Sizes:**

The FLR panels have 2" seam heights and are available in 15 1/4" (FLR154) or 19 1/2" (FLR195) widths. Panel lengths are cut to customer specifications with a 4' minimum and a maximum to transportation limitations. Clip ribs are standard and Plank style stiffening ribs are available. Optional factory applied sealant.

#### **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 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

Uplift: TAS 125

Uplift: UL 1897

Air Infiltration: ASTM E 283

Water Penetration: ASTM E 331

Wind Driven Rain: TAS 100

Leakage: PA 114

Impact: PA 201

Galvanized Steel: ASTM A 653

55% Al-Zn Coated Steel: ASTM A 792

Aluminum: ASTM B 209

Copper: ASTM B 370

Coil Coating: ASTM A 755

Field Tested and Approved.

Load Tables available upon request.

### 5. INSTALLATION

Field seaming equipment is necessary to complete installation of this panel. The seaming tool may be rented from ATAS at a weekly or monthly rate. An expansion clip is used to allow for thermal movement. Optional factory sealant is also available. 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" 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

2" 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 from ATAS International, Inc. 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.

