



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### 1" FIELD-LOK™ PANEL FLL135, FLL175, FLL217

### 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:

1" Field-Lok is a mechanically seamed, double-locked non-structural panel ideally suited for both straight and curved applications. This 1" deep panel offers an economical alternative to snap-on seams, while also maintaining the flexibility of being curved.

#### Composition & Materials:

**Standard Offerings:** 1" 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 or 20 oz. Copper.

#### Sizes:

The FLL panels have a 1" seam height and are available in 13 1/2" (FLL135), 17 1/2" (FLL175), and 21 3/4" (FLL217) widths. Panel lengths are cut to customer specifications with a 4' minimum and a maximum to transportation limitations. Curved and tapered panels are available. Contact ATAS for specifics.

#### 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

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: UL 580 Class 90; UL 1897

Impact Resistance: UL 2218

Air Infiltration: ASTM E 283

Water Penetration: ASTM E 331

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.

### 5. INSTALLATION

Field seaming equipment is necessary to install this panel. The seaming tool may be rented from ATAS at a weekly rate. An expansion clip is used to allow for thermal movement. Optional factory sealant is 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:

1" 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

1" 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.

