



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

1 1/2" Field-Lok Panel

FLM125, FLM165, FLM207

2. MANUFACTURER

ATAS INTERNATIONAL, INC.

website: www.atas.com

email: info@atas.com

Corporate Headquarters:

Allentown, PA 18106

Phone: (610) 395-8445

Fax: (610) 395-9342

Western Facility:

Mesa, AZ 85204

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Fax: (480) 558-7217

Southern Facility:

Maryville, TN 37801

Phone: (800) 468-1441

3. PRODUCT DESCRIPTION

Basic Uses:

The FLM panel is a mechanically seamed, double-locked, non-structural panel ideally suited for both straight and curved applications. This 1 1/2" standing seam panel offers an economical alternative to snap-on seams, while also maintaining the flexibility of being curved.

Compositions & Materials:

Standard Offerings: FLM panels are roll-formed from .032 Aluminum; 24 gauge Metallic Coated Steel.

Special Offerings: 22 gauge Metallic Coated Steel; 24 gauge AZ55 55% Al-Zn coated steel with acrylic coating; 16 or 20 oz. Copper.

Sizes:

The FLM panels have 1 1/2" high seam heights and are available in 12 1/2", 16 1/2" and 20 3/4" widths. Panel lengths are made to customer specifications, with a minimum of 4' and a maximum to transportation limitations. Custom tapering of panels is available. Contact factory for limitations. Plank ribs are available for specific applications. 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 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, 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 Coated Steel: ASTM A 792

Aluminum: ASTM B 209

Copper: ASTM B 370

Coil Coating: ASTM A 755

Field Tested and Approved

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. Installation manuals or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.

6. AVAILABILITY & COST

Availability:

FLM 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, KYNAR 500® PVDF or HYLAR 5000® PVDF finish carry a thirty (30) year limited warranty against cracking, peeling, chalking and fading.

8. MAINTENANCE

FLM 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 www.atas.com. ATAS will assist with design ideas and shop drawings.

10. FILING SYSTEM

- www.construction.com
- 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.

