

1. PRODUCT NAME

1" FIELD-LOK™
FLL135, FLL175, FLL217

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Basic Uses:

1" Field-Lok is a mechanically seamed, single-locked or double-locked non-structural panel ideally suited for both straight and convex curved applications. They may also be used for tapered installations. 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, .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; 16, 20 oz. copper; .7 mm zinc; .0197 steel & tin matte stainless steel. Subject to minimum quantities and lead time.

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. Plank ribs standard, specify with or without striations. 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. Custom curved and tapered panels are available. Custom widths are available. Contact ATAS for limitations.

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 or stucco embossing (available in 24 ga. steel & .032 aluminum).

4. TECHNICAL DATA

70% 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

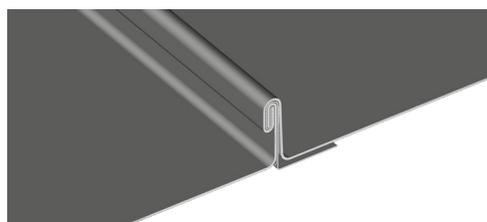
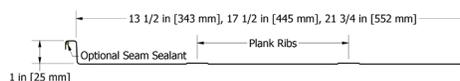
- Mandrel Bend Flexibility: ASTM D 522
- Impact Resistance: ASTM D 2794
- Adhesion: ASTM D 3359
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt 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 alloy Coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Copper: ASTM B 370
- Coil Coating: ASTM A 755

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. Recommended minimum slope is 2:12. Installation details and hands-on training via seminars are available through ATAS. Visit 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, 70% PVDF finish carry a limited warranty against chalking and fading.

8. MAINTENANCE

1" Field-Lok panels requires minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. For painted material, 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. ATAS will assist with design ideas and shop drawings.

10. FILING SYSTEM

- 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.

