

1. PRODUCT NAME

2" FIELD-LOK™ FLR154, FLR195

2. MANUFACTURER

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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, .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 classic & terne coated stainless steel. Subject to minimum quantities and lead time.

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'-0" minimum and a maximum to transportation limitations and/or product and project design considerations. Clip ribs are standard. Plank ribs are standard, specify without.

Colors & Finishes:

A choice of over 30 stock colors is available in a 70% PVDF finish (request color chart or chips). An anodized finish is available in Clear Satin and Dark Bronze. Texture is smooth.

4. TECHNICAL DATA

70% 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

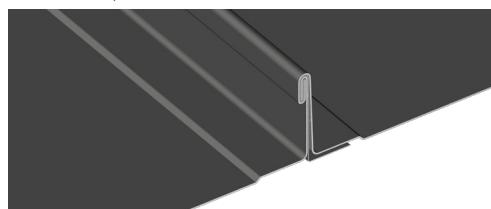
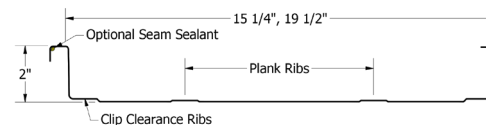
- Mandrel Bend Flexibility: ASTM D 522
- Impact Resistance: ASTM D 2794
- Adhesion: ASTM D 3359
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich) ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: 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 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 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. Recommended minimum slope is 1/2:12 or greater. Installation details and hands-on training via seminars are available through ATAS. Visit 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, 70% PVDF finish carry a limited warranty against chalking and fading.

8. MAINTENANCE

2" Field-Lok panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. For painted products, minor scratches should 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.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.

