

1. PRODUCT NAME

MONARCH™ BATTEN SEAM
MRB080, MRB120, MRB160

2. MANUFACTURER

ATAS INTERNATIONAL, INC.
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3. PRODUCT DESCRIPTION

Basic Uses:

Monarch panels with the Wind-Lok™ design method are used for roofing on both new construction and re-roof applications. These panels can also be used as a wall application.

Composition and Materials:

Standard Offerings: MRB Batten Seam panels are available in .032, .040 aluminum; 24 gauge metallic coated steel; 16, 20 oz. copper, and 24 gauge 55% Al-Zn coated steel with acrylic coating.

Special Offerings: .050 aluminum and 22 gauge metallic coated steel may be specified, subject to minimum quantities and lead time.

Sizes and Profiles:

Monarch panel is available in a Batten Seam design. The batten and lock are an integral part of the panel. The Batten style is either 8" wide (MRB080), 12" wide (MRB120), or 16" wide (MRB160). Panel lengths are cut to customer specifications, with a minimum of 4' and a maximum to transportation limitations. Specify with or without stiffening ribs.

Color and Finish:

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 may be smooth, stucco embossed, or perforated.

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

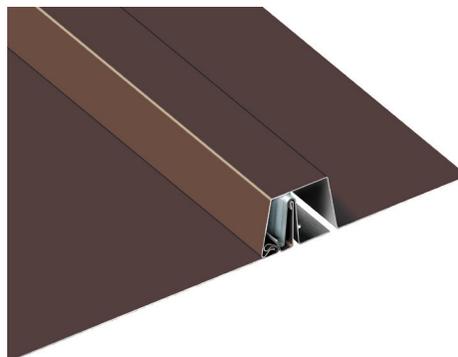
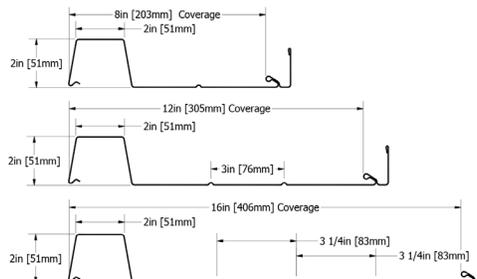
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: ASTM D 5894 and ASTM D 5487
- Humidity Resistance: ASTM D 2247
- Accelerated Weathering: ASTM D 822 and ASTM G 155, ASTM G 151 or ASTM G 153
- Color Retention, Florida 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: UL580 Class 90 (UL File R12113)
- Air Infiltration: ASTM E 283
- Water Penetration: ASTM E 331
- Fire Resistance: UL790/ASTM E 108
- Impact Resistance: UL 2218
- Load tables available upon request
- Galvanized Steel: ASTM A 653
- 55% Al-Zn Coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755

5. INSTALLATION

With the lock and seam being an integral part of the panel, there are no caps or strips to install. Field seaming of the panel is not required. The panel is snapped onto the previously installed



panel, a clip is hooked over the "leg" of the panel, and this is concealed by the batten of the consecutive panel to allow for expansion and contraction. Minimum slope is 2:12 for roof applications. Installation details or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.

6. AVAILABILITY AND COST

Availability:

Monarch panels are readily available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the roof or wall system. Flat sheet and/or coil stock in matching color is 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 thirty (30) year limited warranty against chalking and fading.

8. MAINTENANCE

Monarch panels require minimal maintenance. Surface residue is easily removed by conventional cleaning methods. Minor scratches may be touched up with matching paint, available from the manufacturer.

9. TECHNICAL SERVICES

Complete technical information and literature are available from ATAS International, Inc. ATAS can assist with design ideas and shop drawings.

10. FILING SYSTEM

- www.atas.com
- Additional product information is available from the manufacturer upon request.

