



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

MONARCH™ PANEL
MRB BATTEN SEAM
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.

Composition and Materials:

Standard Offerings:

MRB Batten Seam panels are available in .032 and .040 Aluminum and 24 gauge Metallic Coated Steel.

Special Offerings: .050 Aluminum, 22 gauge Metallic Coated Steel and 24 gauge 55% Al-Zn Coated Steel with acrylic coating 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 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 30 colors is available in the KYNAR 500® PVDF or HYLAR 5000® PVDF finish. (Request color chart or chips). An anodized finish in clear or dark bronze is available as a special offering. Texture may be smooth or stucco embossed.

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: 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
Field Tested and Approved

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

8. MAINTENANCE

Monarch panels are virtually maintenance free. 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.construction.com
- www.atas.com
- Additional product information is available from the manufacturer upon request.

