



1. PRODUCT NAME

METAFOR™
ARC-METAFOR™
MFP120 – MFX120

2. MANUFACTURER

ATAS INTERNATIONAL, INC.
Website: www.atas.com
Email: info@atas.com
Corporate Headquarters:
Allentown, PA 18106
Phone: (800) 468-1441

3. PRODUCT DESCRIPTION

Basic Uses:

Metafor and Arc-Metafor panels with the Wind-Lok™ application have a ribbed appearance with a concealed clipless fastening system. Lightweight, but strong, installation does not require additional structural changes. The panels can be applied directly to wood or metal framing. These panels are typically used for siding, ceilings, fascias, mansards, equipment screens, walkways, balconies, entrances and vestibules. Arc-Metafor panels are custom formed to either concave or convex shapes and may be applied directly to the framing without the need for sub-sheathing.

Composition & Materials:

Standard Offerings: Metafor panels (MFP120) are roll-formed from .032, .040 or .050 aluminum. Arc-Metafor panels (Convex-MFX120 and Concave-MFV120) are available in .032 Aluminum only.
Special Offerings: 16, 20 oz. copper; .0197 classic & tin matte stainless steel; and .8, 1.0 mm zinc may be specified, subject to minimum quantities and lead time.

Sizes and Profiles:

Panel widths are 12"; panel depth is a nominal 5/8". Arc-Metafor panels have a minimum convex radius of 5'-9" and a minimum concave radius of 10'-0". When calculating panel length for ARC- Metafor, allow for an 9" deflection each end of the panel (18" total). Panel lengths are custom specified from 3'-6" to transportation 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 may be smooth or stucco embossed. Perforations are available.

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:

- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755
- Load Tables available upon request.
- Florida Approval #: 30777.3

5. INSTALLATION

Installation is achieved by interlocking the panel into the preceding panel and fastening with mechanical fasteners. The fasteners are concealed by the rib of the adjoining panel. Installation details or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.

6. AVAILABILITY & COST

Availability:

Metafor and Arc-Metafor panels are available

through ATAS product distributors. A complete line of related components and trim accessories is available to complete the wall system. In addition, a complete line of rainware and perimeter roof edge trims can be supplied by ATAS to complement the wall system. Flat sheet and/or coil stock is available in matching color for fabrication of related components 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

Metafor and Arc-Metafor panels require minimal maintenance. 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 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.

