



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

METAFOR™
ARC-METAFOR™
MFP120 – MFX120

2. MANUFACTURER

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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:

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.

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 1'-6" to transportation limitations.

Colors & Finishes:

A choice of 30 colors is available in aKYNAR 500® PVDF or HYLAR 5000® PVDF finish. (Request color chart or chips). An anodized finish is available in clear or dark bronze. 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:
Aluminum: ASTM B 209
Coil Coating: ASTM A 755
Field Tested and Approved
Load Tables available upon request.

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

8. MAINTENANCE

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

