



1. PRODUCT NAME

**META FLEX
MFL**

2. MANUFACTURER

ATAS INTERNATIONAL, INC.
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3. PRODUCT DESCRIPTION

Basic Uses:

MetaFlex panels 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.

Composition & Materials:

Standard Offerings: MetaFlex panels are formed from .032, .040, and .050 aluminum or 24ga, 22ga, and 20 ga metallic coated steel.

Sizes and Profiles:

Panel widths are 12"; rib spacing and design as per panel drawings, panel depth is a nominal 1 1/2". Panel lengths are custom specified from 3'-0" to 24'-6".

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
- Galvanized Steel: ASTM A 653
- 55% Al-Zn alloy coated steel: ASTM A 792
- Coil Coating: ASTM A 755

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:

MetaFlex 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

MetaFlex 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.

