



1. PRODUCT NAME

**Isoleren® Fire Rated
Insulated Metal Wall Panel**
IMF474, IMF475, IMF476, IMF478,
IMF471, IMF472, ISF474, ISF475,
ISF476, ISF478, ISF471, ISF472

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:

Isoleren Fire Rated panels are used for walls requiring a one, two, or three hour fire rating. The panels are a factory assembled through-fastened panel with a non-combustible, fire resistant mineral fiber core that can be fastened directly to structural framing or solid substrates using "Z" girts or hat channels. Isoleren Fire Rated also offers aesthetics and enhanced thermal performance in a single component wall assembly. Isoleren Fire Rated is an alternative to traditional multi component wall assemblies, requiring a one, two, or three hour fire rating.

Composition and Materials:

Standard Offerings: Isoleren Fire Rated facer panels are roll formed from 26 and 24-gauge 55% Al-Zn Alloy Coated Steel with Acrylic Coating. Liner panels are available in 26 and 24-gauge.

Special Offerings: G90 Galvanized and Stainless Steel. Subject to minimum quantities and lead time.

Sizes and Profiles:

Isoleren Fire Rated panels are available in 4", 5", 6", 8", 10", and 12" thickness and 47.375" width modules. Panel lengths are cut to customer specifications, with a minimum of 8'0" and maximum of 30'0" and/or project design considerations. The Isoleren ML profile is standard on all liner panels.

Color and Finish:

A choice of five stock colors are available in the 70% PVDF finish in standard gloss (request color chart or chips). Also available, are five Siliconized Polyester finishes. Standard liner finish is Regal White Siliconized Polyester (USDA white). Facer texture is embossed. Liner texture is embossed.

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
- 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

Panel testing/ratings:

- Environmental Performance: ASTM C518, ASTM E283, ASTM E331
- Fire Resistance: ANSI/UL 263, ASTM E 119, ASTM E 84
- Engineering Properties: ASTM E72
- Load tables available upon request
- Galvanized Steel: ASTM A 653
- 55% Al-Zn alloy coated Steel: ASTM A 792
- Coil Coating: ASTM A 755

5. INSTALLATION

Isoleren Fire Rated wall panels can be installed either vertically or horizontally. Installation guide is available through ATAS. Visit www.atas.com for more information.

6. AVAILABILITY AND COST

Availability:

Isoleren Fire Rated panels are readily available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the wall system. Flat sheet and/or coil stock in matching color is available for

fabrication of related accessories by the installing contractor. Factory formed options are also available.

Cost:

Contact ATAS product distributors for current pricing.

7. WARRANTY

Products coated with a fluoropolymer, 70% PVDF finish carry a limited warranty against chalking and fading.

8. MAINTENANCE

Isoleren Fire Rated panels require minimal maintenance. Surface residue is easily removed by conventional cleaning methods. For painted products, minor scratches should be touched up with 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.

