



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### DESIGN WALL™

### 2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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Maryville, TN 37801

Phone: (800) 468-1441

### 3. PRODUCT DESCRIPTION

#### Basic Uses:

The Design Wall consists of a 12" wide panel in two distinct profiles. Panels may be used for wall applications, soffits, fascia or equipment screens.

#### Composition & Materials:

*Standard Offerings:* The Design Wall panels are roll-formed from .032, .040 and .050 Aluminum; 24 gauge Metallic Coated Steel.

*Special Offerings:* 22 gauge Metallic Coated Steel, as well as 22 and 24 gauge 55% Al-Zn Coated Steel with acrylic coating may be specified, subject to minimum quantities and lead time.

#### Sizes:

The Design Wall is a 12" wide panel in two distinct profiles. The DS panels are 1 3/4" high; the DW panels are 1 1/8" high. The "F" code indicates a flat or flush panel and the "H" code indicates a "board" panel. The "board" panels have an upside of 6" that may be extended in 1" increments (subject to minimum orders). For every 1" change on the "board", the lower part of the panel is decreased to give net 12" coverage (with a maximum "board" width of 11"). All panels have the same lock configuration and may be specified with or without stiffening ribs. The DW panel is used primarily where increased structural integrity of the panel is required. Panels of .032 aluminum can be lanced for ventilation. Panel lengths are cut to customer specifications with a minimum of 3'-0", maximum to transportation limitations.

#### Colors & Finishes:

A choice of 30 colors is available in a

KYNAR 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:

Galvanized Steel: ASTM A 653

55% Al-Zn Coated Steel: ASTM A 792

Aluminum: ASTM B 209

Copper: ASTM B 370

Coil Coating: ASTM A 755

Field Tested and Approved.

Load Tables available upon request.

### 5. INSTALLATION

Design Wall may be installed horizontally or vertically. Installation manuals or hands-on training via seminars are available through ATAS. Visit [www.atas.com](http://www.atas.com) for more information.

### 6. AVAILABILITY & COST

#### Availability:

Design Wall 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

Design Wall 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 ATAS International, Inc.

### 9. TECHNICAL SERVICES

Complete technical information and literature are available at [www.atas.com](http://www.atas.com). ATAS will assist with design ideas and shop drawings.

### 10. FILING SYSTEM

- [www.construction.com](http://www.construction.com)
- [www.atas.com](http://www.atas.com)
- Additional product information is available from the manufacturer upon request.

