



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

PENUMWALL™ PANEL BWS391

2. MANUFACTURER

ATAS INTERNATIONAL, INC.
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3. PRODUCT DESCRIPTION

Basic Uses:

The PenumWall is a structural wall panel that offers design freedom for all types of buildings. The panel can be installed either on solid substrate or spaced framing.

Composition & Materials:

Standard Offerings: PenumWall is available in .032, .040 and .050 Aluminum; 24 gauge Metallic Coated Steel; 24 gauge AZ55 55% Al-Zn coated steel with acrylic coating.

Special Offerings: 20 and 22 gauge Metallic Coated Steel; 20 and 22 gauge AZ55 55% Al-Zn coated steel with acrylic coating may be specified for PenumWall, subject to minimum quantities and lead time.

Sizes and Profiles:

PenumWall has 1 1/4" high ribs and is 39 3/8" wide. Panel lengths are cut to customer specifications, 6' minimum to 40' maximum.

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 23, 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:
UL Fire resistance rating design numbers: See
www.ul.com, File R12113, or contact ATAS
for current listing.
Galvanized Steel: ASTM A 653
AZ55 55% Al-Zn Coated Steel: ASTM A 792
Aluminum: ASTM B 209
Coil Coating: ASTM A 755
Field Tested and Approved
Load Tables available upon request.

5. INSTALLATION

Installation details or hands-on training via seminars are available through ATAS. Visit www.atas.com for more information.

6. AVAILABILITY & COST

Availability:

PenumWall 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 a 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 chalking and fading.

8. MAINTENANCE

PenumWall 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.atas.com
- Additional product information is available from the manufacturer upon request.

