

# SPECIFICATION DATA SHEET

# **1.PRODUCT NAME** BELVEDERE<sup>™</sup> PENUMWALL PANEL

**BWS391** 

# 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:

The Belvedere 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: Belvedere PenumWall is available in .032, .040 and .050 aluminum; 24 gauge metallic coated steel; 24 gauge 55% Al-Zn alloy coated steel with acrylic coating. Special Offerings: 20 and 22 gauge metallic coated steel; 20 and 22 gauge 55% Al-Zn alloy coated steel with acrylic coating. 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 over 40 stock colors is available in a 70% PVDF finish. (Request color chart or chips). Custom colors and finishes available. Texture may be smooth, stucco embossed, or perforated.

## **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
- ٠ 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.
- Metallic Coated Steel: ASTM A 653
- 55% Al-Zn Alloy Coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755
- Load Tables available upon request.

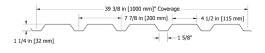
# **5. INSTALLATION**

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

### **6. AVAILABILITY & COST** Availability:

Belvedere 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 pricina.

## 7. WARRANTY

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

# 8. MAINTENANCE

PenumWall panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. For painted products, minor scratches should 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/penumwall
- Additional product information is available from the manufacturer upon request.

