

1. PRODUCT NAME

GRAND SERIES

Grand C - Grand V

BWF324, BWV320

2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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3. PRODUCT DESCRIPTION

Basic Uses:

The Grand Series panels provide an economical solution to the metal roofing and metal siding needs of today. Panels are designed for use over solid substrates or open framing with support members spaced a maximum of 24 inches on center.

Composition & Materials:

Standard Offerings: Grand C (BWF324) and Grand V (BWV320) are available in .032 aluminum.

Sizes and Profiles:

Grand C (BWF324) has a $\frac{9}{16}$ " high profile and is $32\frac{1}{4}$ " wide. Grand V has a $\frac{1}{2}$ " high profile and is 32" wide. Panel lengths are cut to customer specifications with a minimum of 6'-0" and maximum to transportation limitations and/or product and project design considerations.

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. (Subject to minimum quantities and lead time.) Texture is smooth. 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 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.
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755
- Load Tables available upon request.

5. INSTALLATION

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

6. AVAILABILITY & COST

Availability:

Grand Series 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 limited warranty against chalking and fading.

8. MAINTENANCE

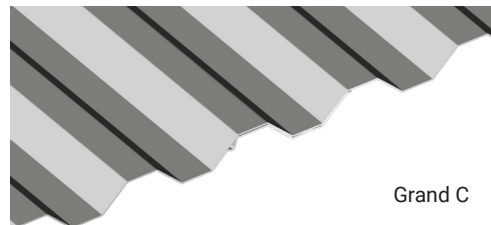
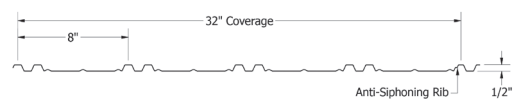
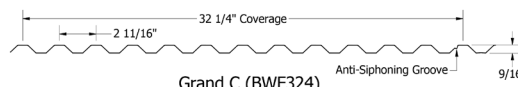
Grand Series panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. Minor scratches may be touched up with a matching paint, available from the manufacturer.

9. TECHNICAL SERVICES

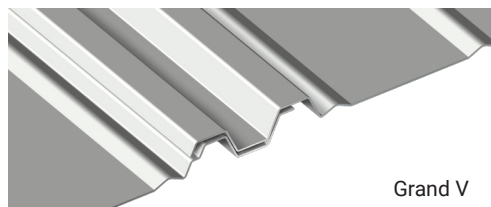
Complete technical information and literature are available at www.atas.com. ATAS will assist with design ideas and shop drawings.

10. FILING SYSTEM

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



Grand C



Grand V



Grand C



Grand V