

1. PRODUCT NAME

PC™ SYSTEM
PCP, PCB

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Basic Uses:

PC panels may be batten style or standing seam. This is a two piece system where the seam is snapped over the clips and fasteners. Uses include roofs, mansards and equipment screens. The PC panels may be used for tapered installations, and they can be curved in concave or convex styles. The PC panels are not structural panels and must be applied to a solid substrate.

Composition & Materials:

Standard Offerings: Panels are roll-formed from .032 or .040 aluminum or 24 gauge metallic coated steel.
Special Offerings: 22 gauge metallic coated steel and 16 oz. copper may be specified, 24 ga. 55% Al-Zn alloy coated steel with acrylic coating, subject to minimum quantities and lead time.

Sizes and Profiles:

PC Batten Style panels are available in 1" (PCB001) and 2" (PCB002) heights. The Standing Seam (PCS114) is 1" high. Three different pan widths may be specified: 11 1/4" (PCP110), 12 5/8" (PCP120) and 15 1/4" (PCP150). Custom width and tapered panels are available. PCX114 Convex Standing Seam panels and PCV114 Concave Standing Seam panels are 1" high. PCX114 Convex has a minimum radius of 2'-9" and the PCV114 Concave has a minimum radius of 4'. Panel lengths are cut to customer specifications, with a minimum of 2' (3' for curved) 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 and finishes available. Texture may be smooth or stucco 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

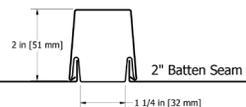
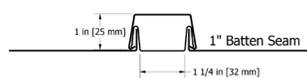
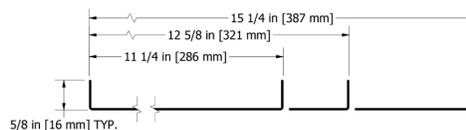
- Mandrel Bend Flexibility: ASTM D 522
- Impact Resistance: ASTM D 2794
- Adhesion: ASTM D 3359
- Water Immersion Resistance: ASTM D 870
- Abrasion Resistance: ASTM D 968
- Acid Resistance: ASTM D 1308
- Acid Rain Resistance (Kesternich): ASTM G 87 or DIN 50018
- Salt Spray: ASTM B 117
- Cyclic Salt Spray: ASTM D 5894 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:

- Uplift: UL 580
- Air Infiltration: ASTM E 283
- Water Penetration: ASTM E 331
- Galvanized Steel: ASTM A 653
- 55% Al-Zn Alloy Coated Steel: ASTM A 792
- Aluminum: ASTM B 209
- Copper: ASTM B 370
- Coil Coating: ASTM A 755

5. INSTALLATION

The PC Standing Seam is snapped over the clips and fasteners, concealing the fastening system. With the Batten Style, the system is installed with a spacer clip, and the batten is snapped into place. Recommended minimum slope is 3 in 12.



Installation details and hands-on training through seminars are available. Contact ATAS technical service advisors for more information.

6. AVAILABILITY & COST

Availability:

PC Systems are readily available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the project. In addition, a complete line of rainware and perimeter roof edge trims can be supplied by ATAS to complement the roof 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 warranty against chalking and fading.

8. MAINTENANCE

PC Systems 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 from ATAS International, Inc. 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.

