



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

PC SYSTEMS™

2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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3. PRODUCT DESCRIPTION

Basic Uses

PC panels may be BATTEN STYLE or STANDING SEAM STYLE. 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: Panels made from 16 oz. Copper are available in limited sizes.

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 a 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 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:

Uplift: UL 580

Air Infiltration: ASTM E 283

Water Penetration: ASTM E 331

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

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. Installation manuals or 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

The fluoropolymer KYNAR® 500 PVDF or HYLAR® 5000 PVDF finish carries a thirty (30) year limited warranty against chipping, cracking, peeling, chalking and fading.

8. MAINTENANCE

PC SYSTEMS are virtually maintenance free. Surface residue may be easily removed by conventional cleaning methods. For painted products, minor scratches may 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

- Sweet's Catalog
- Sweet's CD
- www.atas.com
- Additional product information is available from the manufacturer upon request.

