



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### PERMASHAKE™ HPS106

### 2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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Mesa, AZ 85204

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#### Southern Facility:

Maryville, TN 37801

Phone: (800) 468-1441

### 3. PRODUCT DESCRIPTION

#### **Basic Uses:**

Permashake panels simulate the look of wood grained shingles. The primary uses are for steep slope mansard applications on commercial buildings. Minimum recommended slope is 5 in 12.

#### **Composition & Materials:**

*Standard Offerings:* Permashake panels are manufactured from .032 Aluminum.

#### **Sizes and Profiles:**

The length of the Permashake panel is 60" and the width is 10". The panel has a simulated shake configuration.

#### **Colors & Finishes:**

30 colors are available in a KYNAR 500® PVDF or HYLAR 5000® PVDF finish. (Request color chart or chips).

### 4. TECHNICAL DATA

KYNAR 500® PVDF or HYLAR 5000® PVDF 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:

Wind Driven Rain: PA 100-95  
(for R & D purposes only)

Fire Resistance: UL 790/ASTM E 108

Impact Resistance: UL 2218

Penetration (Foot Traffic):  
ICBO ES AC166, Par. 4.2

Aluminum: ASTM B 209

Coil Coating: ASTM A 755

Field Tested and Approved.

### 5. INSTALLATION

Permashake panels are installed horizontally from eave to ridge. Four-way interlocking modules are fastened with an anchor clip and lock system. Panel seams should be staggered for a natural appearance. High temperature ice and water shield should be applied to the roof deck prior to panel installation. Installation manuals or hands-on training via seminars are available through ATAS. Visit [www.atas.com](http://www.atas.com) for more information.

### 6. AVAILABILITY & COST

#### **Availability:**

Permashake panels are readily available through ATAS product distributors. A complete line of related components and trim accessories is available to complete the roof system. Flat sheet and/or coil stock in matching color are also available for fabrication of related accessories 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 cracking, peeling, chalking and fading.

### 8. MAINTENANCE

Permashake 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](http://www.atas.com). ATAS will assist with design ideas and shop drawings.

### 10. FILING SYSTEM

- [www.construction.com](http://www.construction.com)
- [www.atas.com](http://www.atas.com)
- Additional product information is available from the manufacturer upon request.

