



# ATAS INTERNATIONAL, INC.

## SPECIFICATION DATA SHEET

### 1. PRODUCT NAME

#### TECHO TILE™ SCT400

### 2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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Email: [info@atas.com](mailto:info@atas.com)

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Allentown, PA 18106

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#### Western Facility:

Mesa, AZ 85204

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#### Southern Facility:

Maryville, TN 37801

Phone: (800) 468-1441

### 3. PRODUCT DESCRIPTION

#### Basic Uses

TECHO TILE is a metal tile facsimile panel to be used for roofing on both residential and commercial buildings. TECHO TILE may be used for new construction or re-roofing. Minimum pitch recommended is 3 in 12. In some cases, TECHO TILE may be applied directly over the old roofing material, without the need for tear-off and disposal.

#### Composition & Materials

*Standard Offerings:* Panels are roll-formed from .032 aluminum.

#### Sizes and Profiles

TECHO TILE panels (SCT400) are in the form of an "S" or Spanish style tile. Panels are 43" wide nominal, including a 2-7/8" side lap. The length of the "tile" is 14" and the width of the "scallop" is an 8" repeat. The "step" on the tile is 0.56". Panel lengths are cut to customer specifications and can range from 18-1/2" minimum to any transportable length.

#### Colors & Finishes

A choice of 30 colors is available in a KYNAR® 500 PVDF or HYLAR® 5000 PVDF finish. (Request color chart or chips). TECHO TILE may be specified with stucco embossed finish or a smooth finish.

### 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 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:

Uplift: UL 1897, UL 580 Class 90

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

Fire Resistance: UL 790/ASTM E 108

Class A & B Fire Rating

Penetration (Foot Traffic):

ICC ES AC166 Par 4.2

Florida Product Approval FL3162-R1

Aluminum: ASTM B 209

Coil Coating: ASTM A 755

Field Tested and Approved

### 5. INSTALLATION

TECHO TILE panels are installed vertically up the slope of the roof. The panel is installed with metal fasteners long enough to penetrate the solid substrate. Installation manuals or hands-on training through seminars are available. Contact ATAS technical service advisors for more information.

### 6. AVAILABILITY & COST

#### Availability

TECHO TILE panels are 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 is also available for fabrication of related accessories by the installing contractor.

#### Cost

Contact ATAS product distributors for current pricing.

### 7. WARRANTY

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

### 8. MAINTENANCE

TECHO TILE 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 from ATAS International, Inc. ATAS can assist with design ideas and shop drawings.

### 10. FILING SYSTEM

- Sweet's Catalog
- Sweet's CD
- [www.atas.com/techtile](http://www.atas.com/techtile)
- Additional product information is available from the manufacturer upon request.

