



1. PRODUCT NAME

TECHO TILE™ SCT400

2. MANUFACTURER

ATAS INTERNATIONAL, INC.

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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. 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 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, with a minimum of 18 1/2" minimum and maximum to transportation limitations and/or product and project design considerations.

Colors & Finishes:

A choice of over 35 stock colors is available in a 70% PVDF finish. (Request color chart or chips). Techo Tile may be specified with embossed finish or a smooth finish.

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:

- 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: FL 3162
- Aluminum: ASTM B 209
- Coil Coating: ASTM A 755

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. Recommended minimum slope is 3 in 12. Installation manuals and hands-on training via seminars are available through ATAS. Visit www.atas.com 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

Products coated with a fluoropolymer, 70% PVDF finish carry a limited warranty against chalking and fading.

8. MAINTENANCE

Techo Tile panels require minimal maintenance. Surface residue may be easily removed by conventional cleaning methods. Minor scratches should 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/techofile
- Additional product information is available from the manufacturer upon request.

