



ATAS INTERNATIONAL, INC.

SPECIFICATION DATA SHEET

1. PRODUCT NAME

TECHO TILE™ SCT400

2. MANUFACTURER

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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. 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 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, KYNAR 500® PVDF or HYLAR 5000® PVDF finish carry a thirty (30) year limited warranty against 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 at www.atas.com. ATAS will assist with design ideas and shop drawings.

10. FILING SYSTEM

- www.construction.com
- www.atas.com/techofile
- Additional product information is available from the manufacturer upon request.

