

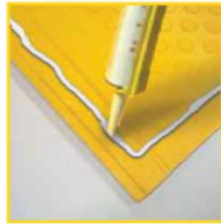


PRODUCT DATA SHEET:

SECTION 32 17 26 – TACTILE WARNING SURFACING
DETECTABLE WARNING SURFACE PANELS
SURFACE APPLIED (RETROFIT)

Manufacturer:

ADA Solutions, a Division of SureWerx USA Inc.
323 Andover Street, Suite 3
Wilmington, MA 01887
Phone: 800-372-0519
Fax: 978-262-9125
Web: adatile.com



Description: Surface Applied Detectable Warning Surface Panels (SA) with an in-line truncated dome pattern for existing cured concrete installations at pedestrian crossings, boarding platforms, and rail crossing locations.

Compliance: SA Panels are compliant with the following guidelines and requirements:

- American Barriers Act (ABA) Accessibility Standards
- ADA Accessibility Guidelines (ADAAG)
- Department of Transportation ADA Standards for Transportation Facilities (2006)
- Department of Justice ADA Standards (2010)
- Public Rights-of-Way Accessibility Guidelines (PROWAG)
- California Building Standards Code, Title 24, California Code of Regulations
- Texas Accessibility Standards (TAS) 2012
- AASHTO M 333 Standard Specification for Detectable Warning Surfaces
- International Code Council (ICC) A117.1 Accessible and Usable Buildings and Facilities

Material: SA Panels are manufactured using a matte finish exterior grade homogeneous (uniform color throughout thickness of product) glass and carbon reinforced polyester-based sheet molding compound (SMC) composite material.

Warranty: Guaranteed in writing for a period of seven (7) years from date of Contract's final completion. The guarantee includes manufacturing defects, breakage, and deformation.

Panel Sizes:

12" x 12" (304.8 x 304.8 mm)
24" x 24" (609.6 x 609.6 mm)
24" x 36.65" (609.6 x 930.9 mm)
24" x 48.65" (609.6 x 1235.7 mm)
24" x 60.65" (609.6 x 1540.5 mm)
36" x 48.65" (914.4 x 1235.7 mm)
36" x 60.65" (914.4 x 1540.5 mm)

Radius Panels

24" x 33.25" (609.6 x 844.5 mm)

*Radius options between 6 ft (1.82 m) and 21 ft (6.40 m)

Colors: Color shall be single, homogeneous color throughout panel

- Federal Yellow FS No. 33538
- Brick Red FS No. 20109
- Clay Red FS No. 22144
- Safety Red FS No. 31350
- Black FS No. 37038
- Dark Gray FS No. 36118
- Safety Blue FS No. 15187
- White FS No 27925
- Seattle Yellow FS No 23594

Domes: Raised truncated domes of 0.2" (5.0 mm) nominal height, base diameter of 0.9" (22.8 mm) and top diameter of 0.45" (11.4 mm).

Dome Spacing: Standard rectangular panels have 2.35" (59.6 mm) or 2.4" (60.9 mm) dome spacing in square grid pattern. Radius panels have 1.67" to 2.4" (40.6-60.9 mm) dome spacing in radial pattern. ADA Standards and Public Rights-of-Way Accessibility Guidelines require truncated dome spacing range of 1.6"-2.4" (40.6-60.9 mm).

Anchoring: SA Panels have minimum twelve (2'x3' panel) to twenty-four (3'x5' panel) countersunk fastening holes. Color matched, stainless steel 304, flat head drive anchors (1/4" diameter x 1 1/2" long) are installed at factory provided locations.

Installation: SA panels are adhered to substrate with factory supplied structural adhesive in addition to mechanical anchors. A continuous bead of adhesive is to be applied around the perimeter of the panel.

Cutting: Cutting panels can be cut to size using a 60-tooth carbide blade on a table saw or equivalent cutting device.

PRODUCT DATA SHEET:

SECTION 32 17 26 – TACTILE WARNING SURFACING
DETECTABLE WARNING SURFACE PANELS
SURFACE APPLIED (RETROFIT)

Product Testing and Physical Properties:

Standard	Standard Description	Value
ASTM D695	Compressive Strength	28,900 psi minimum
ASTM D790	Flexural Strength	29,300 psi minimum
ASTM D 638	Tensile Strength	11,600 psi minimum
ASTM C 1028	Standard Test Method for Determining the Static Coefficient of Friction (Slip Resistance)	1.18 Dry / 1.05 Wet
AS HB198:2014 (AS/NZS 4586)	Pendulum Sustainable Slip Resistance (SSR)	Pendulum Test Value (PTV), with Four S (96) hard rubber slider: 56 Dry / 44 Wet; After 500 cycles of abrasion: 34 Wet
ASTM C501	Abrasion Resistance	Minimum 500
FM 5-594	Abrasion Resistance, Florida Method	Average Volume Loss: no more than 0.03 cm ³
NTPEP TP103 (2015)	High Temperature Thermal Cycling Exposure, (Sect 14) and Resistance to Impact from Falling Tup (Sect 10)	Min. 60 thermal cycles at 200°F (93.33°C) = maximum damage classification of 'C' at 20 ft-lb impact
ASTM G155	Accelerated Weathering	$\Delta E < 5.0$ at 2,000 hours min.
ASTM D570	Water Absorption	0.07%
ASTM C1026	Freeze/Thaw/Heat	No deterioration
ASTM D1037	Freeze/Thaw	No deterioration
ASTM D543	Chemical Stain Resistance	No reaction
ASTM D1308	Chemical Stain Resistance	No reaction
ASTM-B117	Salt and Spray	No change after 200 hours
ASTM E84	Flame Spread Index	20
AASHTO H20	Load Bearing Test	No Damage at 16,000 lbs.