Proudly Made in the U.S.A.

ADA SOLUTIONS, INC.
DETECTABLE WARNING SURFACES FOR PEDESTRIAN CROSSINGS

CAST-IN-PLACE (wet-set)
REPLACEABLE TACTILE

Service, Delivery and Price Make ADA Solutions, Inc. the Obvious Choice
WWW.ADATILE.COM • 800-372-0519
CAST-IN-PLACE (wet-set) REPLACEABLE TACTILE
Proudly Made in the U.S.A.

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>37875</td>
</tr>
<tr>
<td>Brick Red</td>
<td>20109</td>
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<tr>
<td>Yellow</td>
<td>33538</td>
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<tr>
<td>Safety Red</td>
<td>31350</td>
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<tr>
<td>Seattle Yellow</td>
<td>23594</td>
</tr>
<tr>
<td>Black</td>
<td>37038</td>
</tr>
<tr>
<td>Dark Gray</td>
<td>36081</td>
</tr>
<tr>
<td>Clay Red</td>
<td>22144</td>
</tr>
</tbody>
</table>

*US Patents*  
*www.adatile.com/patents*
Installation Procedure

Be sure to read and understand all of these instructions before you begin.

A. The physical characteristics of the concrete shall be as specified in the contract documents while maintaining a slump range of 4-7 inches to permit the solid placement of the ADA Cast-In-Place Replaceable Tactile Unit (ADAREP) in the wet cement.

B. The concrete shall be poured and finished level, true and smooth to the required dimensions prior to the placement of the ADAREP unit.

C. Place the ADAREP unit 6-8 inches from the curb line. Working in a grid pattern, tamp the ADAREP unit into the wet concrete using a rubber mallet and a piece of wood. Continue this process until all of the air has been released, and the ADAREP unit surface is flush with the surrounding area. **IMPORTANT: Avoid striking the surface of the ADAREP unit directly.**

D. Following the placement, the ADAREP unit elevation should be checked to the adjacent surface with a straight edge. The ADAREP unit elevation should be consistent with the Contract Drawings and Specifications. Any required adjustments must be made prior to the time when the concrete begins to set.

E. **IMPORTANT NOTICE TO INSTALLER:** To allow for expansion and contraction, after tile is installed, use a 1/4” finish edge trowel around entire perimeter. On a continuous run, be sure to space each unit 1/8” apart.

F. When you are confident that the ADAREP unit is in place and no further adjustments are needed, place a cinder block on both ends, if necessary, to hold the ADAREP unit in place while the concrete sets.

G. During and after the ADAREP unit installation, as well as the concrete curing stage, no walking or external forces can be placed on the ADAREP unit. The area must be protected from pedestrian traffic until concrete is cured. The ADAREP Warning Surface will be ready for pedestrian traffic within 2-4 hours.

H. Be sure to remove plastic protective covering from the face of the ADAREP Unit once the concrete is cured.

*Not recommended or warranted for asphalt installation.

Do not cut Cast-In-Place Replaceable Tactile. Use an appropriate sized tactile or Radius Tactile to fit the requirement. Contact manufacturer for more details.
Be sure to read and understand all of these instructions before you begin.

A. Lift the existing composite bolt cap from each anchor location on the ADA Cast-In-Place Replaceable Tactile unit (ADAREP) with a flat head screw driver.

B. Remove the existing 1/2” x 1½” heavy duty steel bolts and washers from each anchor location on the ADAREP unit with a ratchet. Save & reuse.

C. Tap around all sides of the ADAREP unit and across the middle with a rubber mallet, working in a grid pattern.

D. Pry the existing ADAREP unit from the concrete ramp with a small prybar, working around the edges until it can be lifted cleanly away.

E. Be sure to remove all small debris and dust from the existing impression in the concrete ramp.

**IMPORTANT: Be careful not to get debris into anchor locations.**

F. Replace new ADAREP unit, of same size and orientation, into impression in concrete ramp. Lightly tamp down the ADAREP unit with a rubber mallet and a piece of wood. Continue this process until the ADAREP unit is set firmly into existing impression in concrete ramp.

**IMPORTANT: Avoid striking the ADAREP unit directly.**

G. Bolt existing 1/2” x 1½” heavy duty steel bolts and washers back into each anchor location on new ADAREP unit.

H. Snap a new composite bolt cap provided, into each anchor location on the ADAREP unit. The ADAREP unit is ready for pedestrian traffic immediately after installation is complete.

View additional photos, drawings and specifications on our website: www.adatile.com. Call (800) 372-0519 with any questions.
**Inline Dome Pattern**

**DOME GEOMETRY**

In accordance with ADA Regulations for Detectable Warning on Curb Ramps: Raised truncated domes with a diameter of nominal 0.9", a height of nominal 0.2" and a center-to-center spacing of 2.35".

**PANEL DIMENSIONS**

ADA Cast-In-Place Replaceable Tactile units (ADAREP) are available in 24" x 36", 24" x 48", 24" x 60", 36" x 48" and 36" x 60" sizes. ADAREP units may also be custom configured to accommodate specific project requirements. ADAREP units measure ¼" nominal thickness and feature a ⅜" thick x 1" wide perimeter “flange.”

**MATERIAL**

A durable exterior grade homogenous glass, carbon and fiberglass reinforced composite material which is colorfast and UV stable. The color of the ADAREP unit is uniform throughout and does not rely on any type of paint coating to achieve color stability. Standard colors include: Federal Yellow, Seattle Yellow, White, Brick Red, Clay Red, Safety Red, Blue, Dark Gray and Black. For superior wheelchair, walker and shopping cart mobility, truncated domes have a center-to-center (horizontally and vertically) spacing of 2.35 inches.

**PHYSICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>ASTM Standard</th>
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<tbody>
<tr>
<td>Compressive Strength</td>
<td>28,900 psi</td>
<td>D 695</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>29,300 psi</td>
<td>D 790</td>
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<tr>
<td>Water Absorption</td>
<td>.07%</td>
<td>D 570</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>1.18 Dry, 1.05 Wet</td>
<td>C 1028</td>
</tr>
<tr>
<td>Flame Spread Index</td>
<td>20</td>
<td>E 84</td>
</tr>
<tr>
<td>Salt Spray</td>
<td>No Change (200 hours)</td>
<td>B 117</td>
</tr>
<tr>
<td>Chemical Stain Testing</td>
<td>No Deterioration</td>
<td>1308</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>549</td>
<td>C 501</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>Delta E&lt;5.0 (2,000 hours)</td>
<td>G 155</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>11,600 psi</td>
<td>D 638</td>
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<tr>
<td>Load Bearing at 16,000 lbs.</td>
<td>No Damage</td>
<td>AASHTO-H20</td>
</tr>
<tr>
<td>Freeze/Thaw/Heat</td>
<td>No Disintegration</td>
<td>C 1026</td>
</tr>
</tbody>
</table>

**INCIDENTALS**

*Fasteners:* ½” x 1½” heavy duty steel bolts and washers.

*Anchors:* 1½” corrosion resistant concrete inserts.

**WARRANTY**

ADAREP units shall be guaranteed in writing for a period of five (5) years from date of contract’s final completion. The guarantee includes breakage and deformation of the tactile warning surface material.

5-Year Warranty

Color Throughout

Incidentals

5-Year Warranty

WWW.ADATILE.COM • 800-372-0519
24”x36” (610 x 914mm) Tile
2.35” (59.7 mm) Dome Spacing

Top View

Bottom View

Side View

SECTION A-A

VIEW - B 3 x SIZE

FIELD DOT - DOT LAYOUT

WET SET ADA STD REPLACEABLE TACTILE WARNING SURFACE UNIT
2.35” IN LINE TRUNCATED DOME PATTERN
PART SIZE 24” x 36”

US PATENT # 7,779,581

NOTE:

24.000
21.600
1.200
14.400
1.250
1.200
36.000
27.429
34.286

TACTILE WARNING SURFACE 2436NV8REP_
SMC COMPOSITE

DATE
DRAWING NO.
MATERIAL
TRADE
PART NO.
PROJECT

U.S. Patents*
*www.adatile.com/patents

2.350
2.350
0.22
0.722
0.200
0.245
0.500
0.967

Cast-In-Place Replaceable Tactile
(WET-SET)
24”x48” (610 x 1219mm) Tile
2.35” (59.7 mm) Dome Spacing

Field DOT 7 Dome Layout

NOTE:

ADA-Replacable Tactile Warning Surface Unit
2.35” in Line Truncated Dome Pattern
Part Size 24” x 48”

DATE

DRAWING NO.

MATERIAL

TRADE

PART NO.

PROJECT

U.S. Patents*

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www.adatile.com

24”x48” (610 x 1219mm) Tile
2.35” (59.7 mm) Dome Spacing

VIEW -B

VIEW - "D" 2 x SIZE

SECTION A-A

WET SET ADA REPLACEABLE TACTILE WARNING SURFACE UNIT
2.35” IN LINE TRUNCATED DOME PATTERN
PART SIZE 24” x 48”

PLANS AND DETAILS
8-BOLT LOCATIONS

ADA-REP2448

NOTE:

0.22

9.1429

0.245

0.722

2.350

2.350

0.500

www.adatile.com/patents
CAST-IN-PLACE REPLACEABLE TACTILE

(WET-SET)

24”x60” (610 x 1524mm) Tile

2.35” (59.7 mm) Dome Spacing

ADA SOLUTIONS, INC.

U.S. Patents*

*www.adatile.com/patents

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PROJ. NO:

DRAWING NO:

MATERIAL:

TRADE:

PART NO:

PROJECT:

NOTE:

DATE:

SECTION B-B

SECTION B-R

VIEW - " D" 2 x SIZE

FIELD DOT 7 DOME LAYOUT

VIEW - "D" 2 x SIZE

VIEW -B  3 x SIZE

CAP COVER

VIEW -B

US PATENT # 7,779,581

AIR VENTS LOCATED ON
THE ENDS OF THE PANEL

NOTE:

APA-REP2460

TACTILE WARNING SURFACE 2460NV11REP_

PART SIZE 24” x 60”

PLANS AND DETAILS

11-BOLT LOCATIONS

ADA-REP2460

WET SET ADA REPLACEABLE TACTILE WARNING SURFACE UNIT

2.35” IN LINE TRUNCATED DOME PATTERN

PART SIZE 24” x 60”

WET-SET ADA-REPLACEABLE TACTILE WARNING SURFACE UNIT

2.35” IN LINE TRUNCATED DOME PATTERN

PART SIZE 24” x 60”

CAST-IN-PLACE REPLACEABLE TACTILE

24”x60” (610 x 1524mm) Tile

2.35” (59.7 mm) Dome Spacing
**36”x48” (914 x 1219mm) Tile**

2.35” (59.7 mm) Dome Spacing

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**Material List**

### Full Size

**WARNING SURFACE UNIT**

Full Set ADA Replaceable Tactile

2.375” In Line Truncated Dome Pattern

### Plans and Details

Section B-B

### View A.A.

Field Dot 13 On Dome Layout

### View D

View - D x 2 x Size

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**Hex Head Bolts & Washers 12-PL.**

### View B

Cap Cover

(12) Dia.

### View B

3 x Size

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**Notes:**

- Cast-In-Place Replaceable Tactile
- 2.35” (59.7 mm) Dome Spacing
- 36” x 48” (914 x 1219mm) Tile
- High Tactile

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**Additional Information:**

- U.S. Patents*
- [www.adatile.com/patents](http://www.adatile.com/patents)

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**Contact:**

N. Billerica, MA 01862

P.O. Box 3

(800) 372-0519

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[www.adatile.com](http://www.adatile.com)
PRODUCT INFORMATION / SUBMITTAL