PRODUCT SPECIFICATION
CAST-IN-PLACE COMPOSITE PAVER UNIT
Inline Dome Pattern: Tactile Warning Surface

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

DOME GEOMETRY

In accordance with ADA Regulations for Detectable Warning on Curb Ramps: raised truncated domes with a diameter of nominal 0.9” (22.9mm), a height of nominal 0.2” (5.0mm), and a center-to-center spacing of 1.60”-2.40” (40.6mm-61.0mm) maximum.

TWS UNIT DIMENSIONS

TWS Units are available in 24”x36” (609.6mm x 914.4mm), 24”x48” (609.6mm x 1219.2mm), 24”x60” (609.6mm x 1524.0mm), 36”x48” (914.4mm x 1219.6mm), and 36”x60” (914.4mm x 1524.0mm) sizes. TWS Units may also be custom configured to accommodate specific project requirements. TWS Units measure 0.25” (6.4mm) nominal thickness and feature embedment ribs at 3” (76.2mm) on center.

MATERIAL

A homogenous glass and carbon reinforced composite which is colorfast and UV stable. Truncated domes are fiberglass reinforced for enhanced durability. The color of the TWS Unit is uniform throughout and does not rely on any type of paint coating to achieve color stability. Standard colors include: Federal Yellow, Brick Red, Clay Red, Safety Red, Gray, Black, and Blue.

INSTALLATION

TWS Units are to be used on new curb ramp locations. The TWS Units can be pre-filled with concrete and set in place or pressed into place in the freshly poured concrete.

PHYSICAL CHARACTERISTICS:

- Compressive Strength: 28,900 psi ASTM D 695
- Flexural Strength: 29,300 psi ASTM D 790
- Water Absorption: .07% ASTM D 570
- Slip Resistance: 1.18 Dry, 1.05 Wet ASTM C 1028
- Flame Spread Index: 20 ASTM E 84
- Salt Spray: No Change (200 hours) ASTM B 117
- Chemical Stain Testing: No Deterioration ASTM D 543
- Abrasion Resistance: 549 ASTM C 501
- Accelerated Weathering: Delta E<5.0 (2,000 hours) ASTM G 155
- Tensile Strength: 11,600 psi ASTM D 638
- Load Bearing at 16,000#: No Damage AASHTO-H20
- Freeze/Thaw/Heat: No Disintegration ASTM C 1026