

## Cast in Place



## Setting the Standard for Durability & Detectability in Tactile Systems

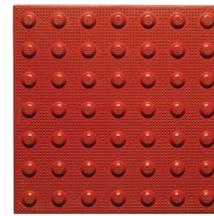
Armor-Tile® Cast in Place is the world leader in tactile walking surface indicators systems. Manufactured of a diamond-hard vitrified polymer composite, Armor-Tile® truncated dome and wayfinding bar tiles are the industry leader for durability, weather and wear resistance. Armor-Tile® also is available as a replaceable cast in place (Herculite Series), modular paver, cast in place and directional bars.

Tactile Walking Surface Indicators (TWSI) products for the following and many more applications:

- Curb Ramps
- Pedestrian Crossings
- Vehicular Passage Ways
- Escalator Approaches
- Parking Areas
- Transit Platforms
- Top of Stair Landings – Wheelchair Ramps
- Multi-Modal Transit Stations

### COMPLIANCE

Kinesik Engineered Products Incorporated is in full compliance with Canadian Accessibility Codes. The full product range of Kinesik tactile walking surface indicators meet the most recent AODA, CSA, ISO, provincial and national building codes. Kinesik Engineered Products Incorporated is your one stop source for all tactile systems for internal and external applications. Only Kinesik provides a complete range of products designed for safety, convenience and code compliance.



### PRODUCT FEATURES

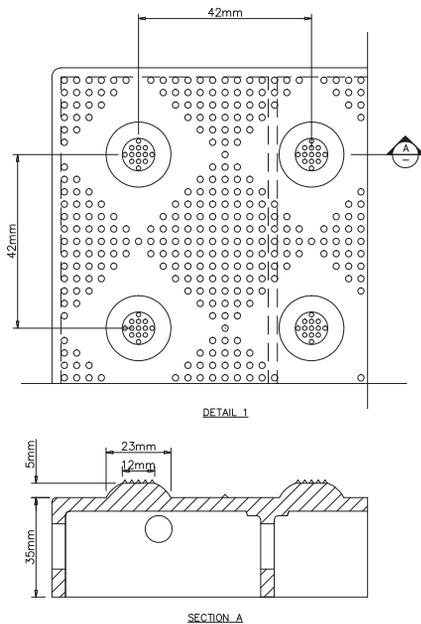
- The most cost effective method for compliant curb ramps
- A smooth transition that meets Canadian Accessibility Codes
- Light weight and easy to handle
- Easily cut to conform to various sizes and radius ramps
- Available in seven (7) different sizes to meet your needs
- Comes in ten (10) standard colours with Federal colour identification numbers
- 5 year manufacturer's warranty

**ARMOR TILE  
RADIUS CALCULATOR**

Radius Calculator is found on the [Kinesik.ca](http://Kinesik.ca) Resources Page



Tactile Walking Surface Indicator (TWSI) with Truncated Domes



### STANDARD CAST IN PLACE SIZES

SIZE	PRODUCT CODE	SIZE	PRODUCT CODE
12" x 12" (305 x 305 mm)	ADA-C-1212	24" x 60" (625 x 1524 mm)	ADA-C-2460
24" x 24" (615 x 625 mm)	ADA-C-2424	36" x 48" (915 x 1220 mm)	ADA-C-3648
24" x 36" (625 x 915 mm)	ADA-C-2436	36" x 60" (915 x 1524 mm)	ADA-C-3660
24" x 48" (625 x 1220 mm)	ADA-C-2448		

### PROFESSIONAL ASSOCIATIONS

Kinesik is proud to be a member of the following organisations



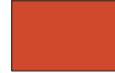
### STANDARD COLOURS



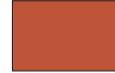
Federal Yellow  
Code: YW



Ochre Yellow  
Code: OCR



Brick Red  
Code: RD



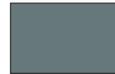
Colonial Red  
Code: COL



Safety Red  
Code: SR



Ocean Blue  
Code: BL



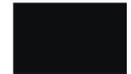
Dark Grey  
Code: DG



Light Grey  
Code: LG



Pearl White  
Code: WH



Onyx Black  
Code: BK

### TILE SPECIFICATIONS

Test	Description	Requirements
AASHTO HS20-44	Wheel Load Tests	4,722 kg
ASTM D 695	Compressive Strength	≥ 190 MPa
ASTM D 790	Flexural Strength	≥ 172 MPa
ASTM D 638	Tensile Strength	≥ 131 MPa
ASTM D 696	Coefficient of Thermal Expansion	5.0 x 10 <sup>-6</sup> /°C
ASTM C 1028	Static Coefficient of Friction	≥ 0.8 wet/dry
ASTM E 84	Flame Spread Index	≤ 25
ASTM D 570	Water Absorption	≤ 0.05%
ASTM C 501	Abrasive Wear Index lw	> 500
ASTM G 155	Accelerated Weathering (3000 hrs)	ΔE < 5
ASTM C 1026	Freeze/thaw	No effect
ASTM B 117	Salt Spray (300 hrs)	No effect
ASTM D 1037	Accelerated Aging Cycle Testing	No effect
ASTM D 543	Chemical Resistance	No effect
ASTM D 2486	Abrasive Scrub Test	1.5 mm

### APPLICATIONS

#### Tactile Attention Indicator Truncated Domes

- Accessible curb ramps align with the safe pedestrian crossing route across the vehicle roadway.
- An entry into a vehicular route or area where no curbs or other elements separate it from pedestrian route such as curb ramps, wheel chair ramps, top of stairs/escalators and blended transitions.
- An unprotected drop off edge, such as a transit platform where the change in elevation is greater than 250mm or the slope is steeper than in a ratio of 1:3 (33%).
- The unprotected edges of a reflecting pool.

#### Tactile Direction Indicator Wayfinding Bars

- Located in large open floor areas, such as shopping malls or transportation terminals, to facilitate wayfinding by indicating the primary routes of travel.
- The indicated routes should lead from the entrance to major destinations, such as an information kiosk, registration desk, stairway, elevator, escalators, or to store or service doors.