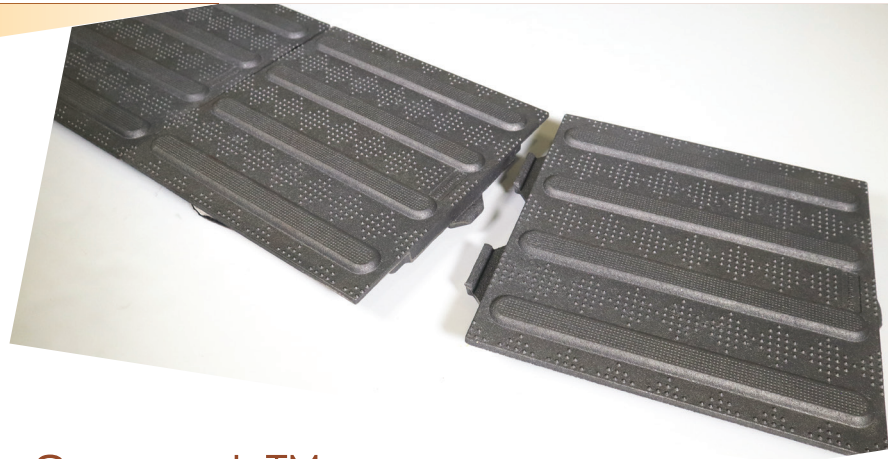


Directional Plates

Designed for Durability, Engineered for Ultimate Strength™



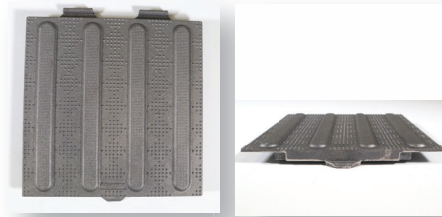
Advantage® Cast Iron Tactile Walking Surface Indicator (TWSI) directional plates are manufactured in strict accordance with ASTM A-48, Class 35B Grey Cast Iron. The Advantage® Cast in Place System is lightweight with exceptional high strength, and utilizes the most advanced metallurgical Engineering Science and Technology to meet and exceed the most stringent municipal standards. Advantage® Cast Iron is aesthetically pleasing, has exceptional longevity and incorporates integral texture for a permanent slip resistant surface.

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

- Curb Ramps
- Pedestrian Crossings
- Transit Platforms
- Vehicular Passage Ways
- Parking Areas
- Top of Stair Landings

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.

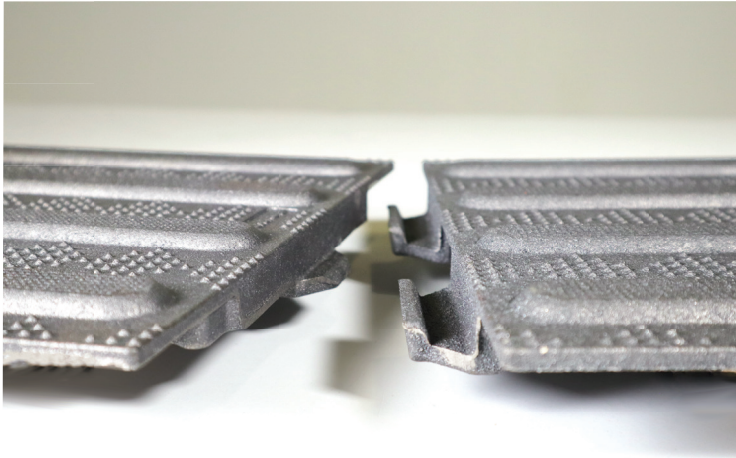


PRODUCT FEATURES

- Lightweight and easy to install
- Bolted connection allows for easy connectability between two or more plates
- Engineered to endure the toughest conditions such as snow plows, overweight vehicular loads and heavy pedestrian traffic
- Maintenance-free natural patina
- ASTM A48, Class 35B Grey Cast Iron
- Can be recycled after its lifecycle
- 10 year manufacturer's warranty

**ADVANTAGE CAST IRON
RADIUS CALCULATOR**

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



Tactile Walking Surface Indicator (TWSI) with Wayfinding Bars

PROFESSIONAL ASSOCIATIONS

Kinesik is proud to be a member of the following organisations:



STANDARD COLOUR



Uncoated
Natural Patina
Code: UN

OPTIONAL COLOURS



Federal Yellow
Code: YW



Brick Red
Code: RD



Dark Grey
Code: DG



Onyx Black
Code: BK

ADVANTAGE CAST IRON SIZES

STANDARD SIZE

PRODUCT CODE

12"x12" (305mmx305mm)

ADV-CIB-1212

PLATE SPECIFICATIONS

Standard Specification for Grey Iron Castings, Class 35B

ASTM Reference	Test Description	Value
ASTM C 1028	Static Coefficient of Friction	≥ 1.1 wet/dry
ASTM A 327	Impact Resistance	No damage @ 54 J
ASTM A 48	Compressive Strength	785 MPa
ASTM E8/E8M-13a	Tensile Strength	≥ 241 MPa
ASTM C 501	Abrasive Wear Index	> 55

APPLICATIONS

TWSI – Wayfinding Bars

- Tactile direction indicators should be located in large open floor areas, such as shopping malls or transportation terminals, to facilitate wayfinding by indicating the primary route of travel.
- The indicated route should lead from the entrance to major destinations, such as an information kiosk, registration desk, stairway, elevator, or to store or service doors.
- Installation of directional indicators shall follow CSA B651-18 4.3.5.4.3.

