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Detectable Warning Surface products by SureWerx meet the following 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



Public Rights-Of-Way Accessibility Guidelines

SureWerx Construction and Infrastructure Division is in full compliance with U.S. Accessibility Codes.

PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES

The United States Access Board guidelines under the Americans with Disabilities Act (ADA) and the Architectural Barriers Act (ABA) address access to sidewalks and streets, crosswalks, curb ramps, pedestrian signals, on-street parking, and other components of public rights-of-way. Section R305 of the Public Rights-of-Way Accessibility Guidelines (PROWAG) provides requirements and guidance for Detectable Warning Surfaces. The complete PROWAG guidelines can be accessed at www.access-board.gov/prowag.

R305 Detectable Warning Surfaces

R305.1 General. Detectable warning surfaces shall consist of truncated domes aligned in a square or radial grid pattern and shall comply with R305.

R305.1.1 Dome Size. The truncated domes shall have a base diameter of 23 mm (0.9 in) minimum and 36 mm (1.4 in) maximum, a top diameter of 50 percent of the base diameter minimum and 65 percent of the base diameter maximum, and a height of 5 mm (0.2 in).

R305.1.2 Dome Spacing. The truncated domes shall have a center-to-center spacing of 41 mm (1.6 in) minimum and 61 mm (2.4 in) maximum, and a base-to-base spacing of 17 mm (0.65 in) minimum, measured between the most adjacent domes.

R305.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or pedestrian access route surface, either light-on-dark or dark-on-light.

R305.1.4 Size. Detectable warning surfaces shall extend 610 mm (2.0 ft) minimum in the direction of pedestrian travel. At curb ramps and blended transitions, detectable warning surfaces shall extend the full width of the ramp run (excluding any flared sides), blended transition, or turning space. At pedestrian at-grade rail crossings not located within a street or highway, detectable warnings shall extend the full width of the crossing. At boarding platforms for buses and rail vehicles, detectable warning surfaces shall extend the full length of the public use areas of the platform.

At boarding and alighting areas at sidewalk or street level transit stops for rail vehicles, detectable warning surfaces shall extend the full length of the transit stop.

R305.2.2 Parallel Curb Ramps. On parallel curb ramps, detectable warning surfaces shall be placed on the turning space at the flush transition between the street and sidewalk.

R305.2.3 Blended Transitions. On blended transitions, detectable warning surfaces shall be placed at the back of curb. Where raised pedestrian street crossings, depressed corners, or other level pedestrian street crossings are provided, detectable warning surfaces shall be placed at the flush transition between the street and the sidewalk.

R305.2.4 Pedestrian Refuge Islands. At cut-through pedestrian refuge islands, detectable warning surfaces shall be placed at the edges of the pedestrian island and shall be separated by a 610 mm (2.0 ft) minimum length of surface without detectable warnings.

R305.2.5 Pedestrian At-Grade Rail Crossings. At pedestrian at-grade rail crossings not located within a street or highway, detectable warning surfaces shall be placed on each side of the rail crossing. The edge of the detectable warning surface nearest the rail crossing shall be 1.8 m (6.0 ft) minimum and 4.6 m (15.0 ft) maximum from the centerline of the nearest rail. Where pedestrian gates are provided, detectable warning surfaces shall be placed on the side of the gates opposite the rail.

R305.2.6 Boarding Platforms. At boarding platforms for buses and rail vehicles, detectable warning surfaces shall be placed at the boarding edge of the platform.

R305.2.7 Boarding and Alighting Areas. At boarding and alighting areas at sidewalk or street level transit stops for rail vehicles, detectable warning surfaces shall be placed at the side of the boarding and alighting area facing the rail vehicles.



REPLACEABLE CAST IN PLACE

Introducing the **Ultimate Solution™** in Tactile Walking Surface Indicators (TWSI). Access Tile[®] Replaceable Cast in Place has combined proven engineered polymers, processing and material technologies with innovative and intelligent design features to create the ultimate replaceable tactile walking surface indicators. Maximized efficiencies in manufacturing, materials sourcing, and product specifications deliver the most cost-effective solution in the industry. Access Tile truncated dome and wayfinding bar tiles are the industry leader for durability, weather, and wear resistance and are available as surface-applied tiles and directional bars.

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

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

- The most cost-effective method of new curb ramp applications
- · A smooth transition that meets United States Accessibility Codes
- · Available as a standard radius tile
- Available in eight (8) different sizes to meet your needs
- · Easily cut to conform to various sizes and radius ramps
- Comes in six (6) standard colors
- Lightweight and easy to handle
- 5-year manufacturer's warranty



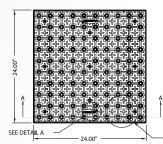


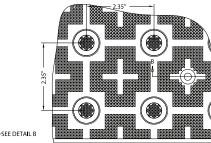












DETAIL B

DETAIL C

SECTION B-B

0.21"

0.25

.25

EMBEDMENT-ANCHOR

HEXAGONAL

Onyx Black

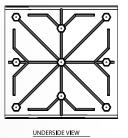
Code: BK

TWSI

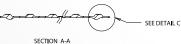
Domes

0.10

PLAN







STANDARD COLORS



CUSTOM COLORS

Large variety available. Let us know how we can help.

-	12" x 12" (305 x 305 mm)	
	24" x 24" (610 x 610 mm)	
	24" x 36" (610 x 915 mm)	
	24" x 48" (610 x 1220 mm)	
	24" x 60" (610 x 1524 mm)	
	36" x 48" (915 x 1220 mm)	
	36" x 60" (915 x 1524 mm)	
	RADIUS PANEL	F
-	24" x 30" (610 x 762 mm)	

APPLICATIONS

STANDARD CAST-IN-PLACE SIZES

PRODUCT CODE ACC-R-1212 ACC-R-2424 ACC-R-2436 ACC-R-2448

> ACC-R-2460 ACC-R-3648 ACC-R-3660

PRODUCT CODE

ACC-R-2430CRV

SIZE

- · Curb ramps and blended transitions at pedestrian street crossings Truncated
 - Pedestrian refuge islands
 - · Pedestrian at-grade rail crossings not located within a street or highway
 - · Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards
 - · Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.





SURFACE APPLIED Innovative System

Introducing the Ultimate Solution[™] in Tactile Walking Surface Indicators (TWSI). Access Tile[®] Surface Applied has combined proven engineered polymers, processing, and material technologies with innovative and intelligent design features to create the ultimate in tactile walking surface indicators.

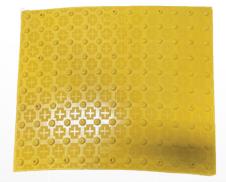
Maximized efficiencies in manufacturing, materials sourcing, and product specifications deliver the most cost-effective solution in the industry. Access Tile truncated dome and wayfinding bar tiles are the industry leader for durability, weather, and wear resistance and are available as replaceable cast-in-place tiles and directional bars.

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

- Curb Ramps
- Vehicular Passageways
- · Parking Areas
- · Top of Stair Landings / Wheelchair Ramps
- Pedestrian Crossings
- Escalator Approaches
- Transit Platforms
- Multi-Modal Transit Stations

- A cost-effective method of retrofitting an existing curb ramp application
- · A complete system is shipped with the tiles; adhesive and color match fasteners
- Beveled edges make for a smooth transition that meets Accessibility Codes
- · Lightweight and easy to handle
- · Easily cut to conform to various sizes and radius ramps
- Available as a standard radius tile
- Available in eight (8) different sizes to meet your needs
- Comes in six (6) standard colors
- 5-year manufacturer's warranty





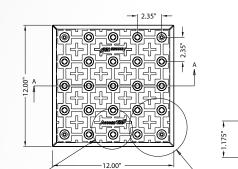


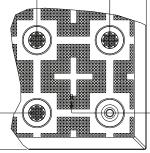












DETAIL B

Ø0.9"

DETA IL C

SECTION B-B

0.35"

5

0.45"

90

0.25

0.22

2.35

•1.175"

TWSI

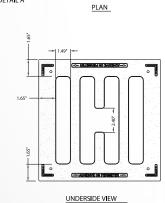
Domes

0.11

0.07

".07







SEE DETAIL C SECTION A-A

SEE DETA**I**L B

0.14"

0.04

0.05"

0.18"

STANDARD COLORS

Federal Yellow	Brick Red	Colonial Red	Safety Red	Dark Grey	Onyx Black
Code: YW	Code: RD	Code: COL	Code: SR	Code: DG	Code: BK

CUSTOM COLORS

Large variety available. Let us know how we can help.

STANDARD DOMES SIZES		
SIZE	PRODUCT CODE	
12" x 12" (305 x 305 mm)	ACC-S-1212	
12" x 48" (305 x 1220 mm)	ACC-S-1248	
24" x 24" (610 x 610 mm)	ACC-S-2424	
24" x 36" (610 x 915 mm)	ACC-S-2436	
24" x 48" (610 x 1220 mm)	ACC-S-2448	
24" x 60" (610 x 1524 mm)	ACC-S-2460	
36" x 48" (915 x 1220 mm)	ACC-S-3648	
36" x 60" (915 x 1524 mm)	ACC-S-3660	
RADIUS PANEL	PRODUCT CODE	
24" x 30" (610 x 762 mm)	ACC-S-2430CRV	

APPLICATIONS

- · Curb ramps and blended transitions at pedestrian street crossings Truncated
 - Pedestrian refuge islands
 - · Pedestrian at-grade rail crossings not located within a street or highway
 - · Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards
 - · Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.





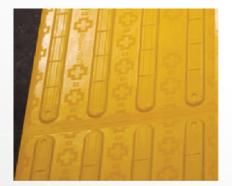
WAYFINDING TILES

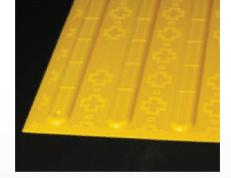
Introducing the Ultimate Solution[™] in Tactile Walking Surface Indicators (TWSI). Access Tile[®] Wayfinding tiles have combined proven engineered polymers, processing, and material technologies with innovative and intelligent design features to create the ultimate in wayfinding tiles. Maximized efficiencies in manufacturing, materials, sourcing, and product specifications deliver the most cost-effective solution in the industry. Access Tile Wayfinding Bar tiles are the industry leader for durability, weather, and wear resistance and are available as replaceable cast-in-place and surface-applied tiles.

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

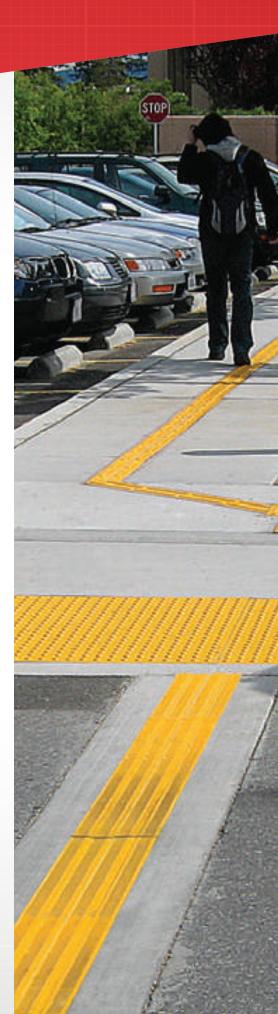
- Leading to Doorways or Transit Stops
- Sidewalks / Outdoor Walkways
- Top of Stair Landings
- Escalator Approaches
- Transit Platforms
- Multi-Modal Transit Stations
- Elevator Call Buttons

- · A cost-effective method of retrofitting existing sidewalks
- Cast-in-place replaceable and surface-applied options
- A complete system is shipped with the tiles; adhesive and color match fasteners / anchors
- · Lightweight and easy to handle
- · Easily cut to conform to various sizes and radius ramps
- Comes in six (6) standard colors
- · 5-year manufacturer's warranty





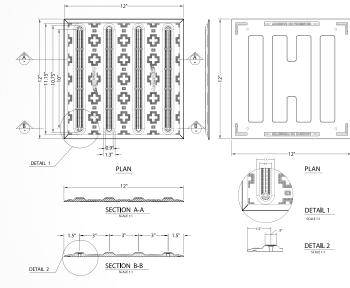




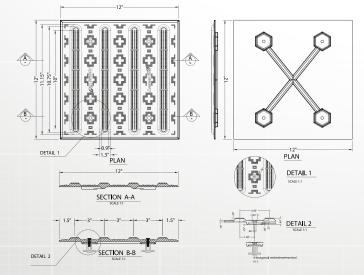




TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS – SURFACE-APPLIED TILES



TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS – CAST-IN-PLACE TILES



STANDARD COLORS

F	ederal Yellow	Brick Red	Colonial Red	Safety Red	Dark Grey	Onyx Black
	Code: YW	Code: RD	Code: COL	Code: SR	Code: DG	Code: BK

CUSTOM COLORS

Large variety available. Let us know how we can help.

STANDARD WAYFINDI	NG BAR SIZES
SIZE	PRODUCT CODE
12" x 12" (305 x 305 mm)	ACC-SB-1212
12" x 12" (305 x 305 mm)	ACC-RB-1212

APPLICATIONS

TWSI 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 store and service doors.
 Used with TWSI domes as attention indicators for change
 - of direction or end of pathway.





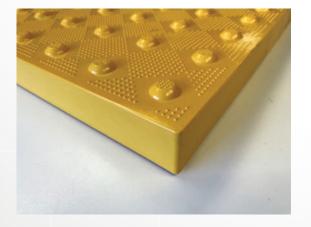
CAST IN PLACE Innovative System

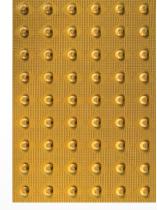
Armor-Tile® Cast in Place is the world leader in tactile walking surface indicators systems. Manufactured of high-strength polymer composite, Armor-Tile truncated dome and wayfinding bar tiles are the industry leader for durability, weather, and wear resistance. Armor-Tile also is available as a replaceable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

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

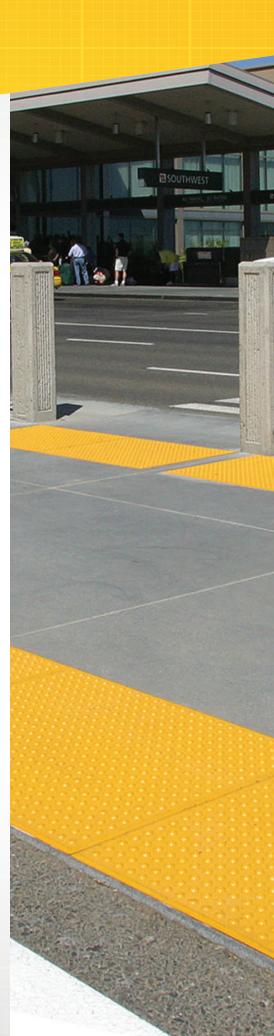
- Curb Ramps
- Transit Platforms
- Pedestrian Crossings
- Vehicular Passage Ways
- · Escalator Approaches
- · Parking Areas
- Top of Stair Landings / Wheelchair Ramps
- Multi-Modal Transit
 - Stations

- · The most cost-effective method for compliant curb ramps
- · A smooth transition that meets Accessibility Codes
- · Lightweight 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 colors
- 5-year manufacturer's warranty



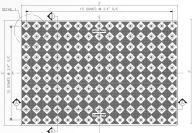


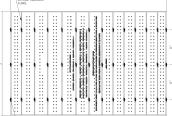






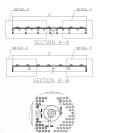




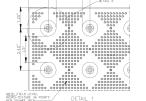


BOTTOM VIEW

TOP PLAN VIEW

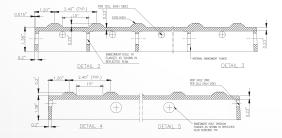






ADA-C-3648

ADA-C-3660



STANDARD CAST-IN-PLACE SIZES		
SIZE	PRODUCT CODE	
12" x 12" (305 x 305 mm)	ADA-C-1212	
24" x 24" (610 x 610 mm)	ADA-C-2424	
24" x 36" (610 x 915 mm)	ADA-C-2436	
24" x 48" (610 x 1220 mm)	ADA-C-2448	
24" x 60" (625 x 1524 mm)	ADA-C-2460	

24" x 60" (625 x 1524 mm) 36" x 48" (915 x 1220 mm)

36" x 60" (915 x 1524 mm)

STANDARD COLORS



CUSTOM COLORS

Large variety available. Let us know how we can help.

	APPLICATIONS	
TWSI Truncated Domes	 Curb ramps and blended transitions at pedestrian street crossings Pedestrian refuge islands Pedestrian at-grade rail crossings not located within a street or highway Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are 	

not protected by screens or guards
Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.





SURFACE APPLIED High Durability

Armor-Tile® Surface Applied is the world leader in tactile walking surface indicators systems. Manufactured of a high-strength polymer composite, Armor-Tile truncated dome is 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
- Transit Platforms
- Pedestrian Crossings
- Vehicular Passage Ways
- Escalator Approaches
- · Parking Areas
- Top of Stair Landings /
- Wheelchair Ramps
- Multi-Modal Transit Stations

- · The most cost-effective method for compliant curb ramps
- · A smooth transition that meets Accessibility Codes
- · Lightweight 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 colors
- 5-year manufacturer's warranty



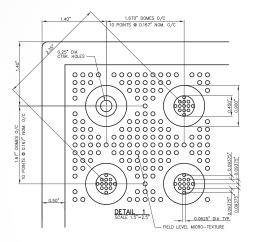


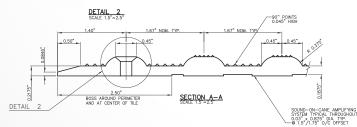


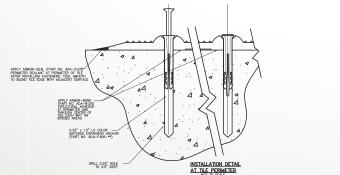












STANDARD COLORS



CUSTOM COLORS

TWSI

Large variety available. Let us know how we can help.

STANDARD CAST-IN-PLACE SIZES		
SIZE	PRODUCT CODE	
24" x 24" (615 x 625 mm)	ADA-S-2424	
24" x 36" (625 x 915 mm)	ADA-S-2436	
24" x 48" (625 x 1220 mm)	ADA-S-2448	
24" x 60" (625 x 1524 mm)	ADA-S-2460	
36" x 48" (915x 1220 mm)	ADA-S-3648	
36" x 60" (915 x 1524 mm)	ADA-S-3660	

APPLICATIONS

- · Curb ramps and blended transitions at pedestrian street Truncated crossings **Domes**
 - Pedestrian refuge islands
 - · Pedestrian at-grade rail crossings not located within a street or highway
 - · Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards
 - · Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.





MODULAR PAVER Heavy Duty Strength

Armor-Tile[®] Modular Paver is manufactured of a high-strength polymer composite and filled with high-strength polymeric concrete to make the tile incredibly dense and strong. Due to this innovative combination, the Armor-Tile Modular Paver tiles are the industry leader for durability, weather, and wear resistance. Installation is a breeze; the Armor-Tile high strength modular paver can be dry laid on compacted fill or set in a grout bed or drypack.

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

- Curb Ramps
- Transit Platforms
- Pedestrian Crossings
- Vehicular Passage Ways
- Escalator Approaches
- Parking Areas
- Wheelchair Ramps
- Multi-Modal Transit Stations

· Top of Stair Landings /

- · A smooth transition that meets Accessibility Codes
- · Filled with high-strength polymeric concrete
- · Easily cut to conform to various sizes and radius ramps
- Available in ten (10) standard colors
- Available in two (2) different sizes to meet your needs
- High-strength modular paver can be dry laid on compacted fill or set in a grout bed or drypac
- · Sustains dynamic vehicle loading, AASHTO HS20-44 Wheel Load Test





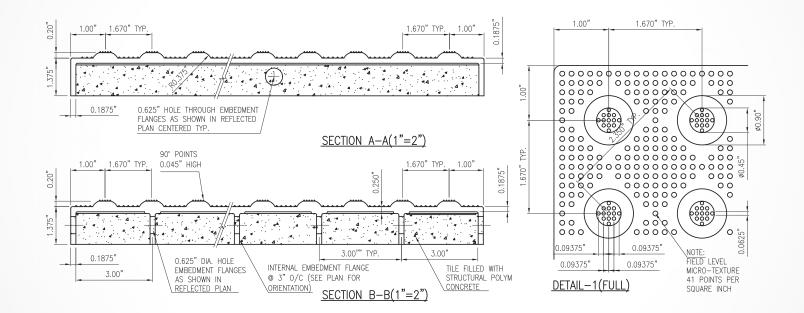












STANDARD COLORS



NOTE: Other products available for transit applications.

CUSTOM COLORS

Large variety available. Let us know how we can help.

	APPLICATIONS
Tactile Attention Indicator Truncated Domes	 Curb ramps and blended transitions at pedestrian street crossings Pedestrian refuge islands Pedestrian at-grade rail crossings not located within a street or highway Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.



CAST IRON Engineered for Ultimate Strength[™]

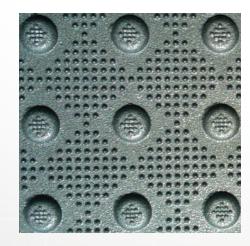
Advantage® Cast Iron Tactile Walking Surface Indicator (TWSI) plates are manufactured in strict accordance with ASTM A-48, Class 35B Grey Cast Iron. The Advantage Cast in Place System is lightweight with exceptional high strength and utilizes the most advanced metallurgical Engineering Science and Technology 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
- Parking Areas
- Pedestrian Crossings
- Top of Stair Landings /
- Vehicular Passage Ways

Wheelchair Ramps

- · Lightweight and easy to install
- · Bolted connection allows for easy connection between two or more plates
- · Available in various sizes and radii
- · Engineered to endure the toughest conditions such as snowplows, overweight vehicular loads, and heavy pedestrian traffic
- · Maintenance-free natural patina
- ASTM A48, Class 35B Grey Cast Iron
- · Can be recycled after its lifecycle
- · Largest selection of standard and radius sizes
- · 10-year manufacturer's warranty

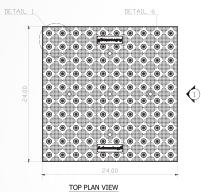


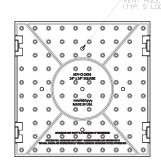


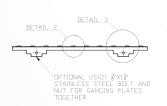




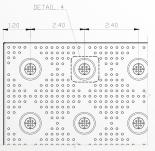




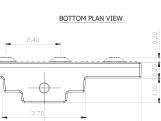




ELEVATION VIEW 1



DETAIL 1





DETAIL 3

DETAIL 5 (TYPICAL DOME SECTION)

STANDARD COLOR



Federal Yellow	Brick Red	Dark Grey	Onyx Black
Code: YW	Code: RD	Code: DG	Code: BK

STANDARD ADVANTAGE CAST IRON SIZES

PRODUCT CODE	STANDARD SIZE
ADV-CI-1824	18" x 24" (457 x 610 mm)
ADV-CI-2424	24" x 24" (610 x 610 mm)
ADV-CI-3024	30" x 24" (762 x 610 mm)
PRODUCT CODE	RADIAL SIZE
ADV-CI-24-10R	10' (3,048 mm)
ADV-CI-24-15R	15' (4,572 mm)
ADV-CI-24-17.5R	17'5" (5,334 mm)
ADV-CI-24-20R	20' (6,096 mm)
ADV-CI-24-25R	25' (7,620 mm)
ADV-CI-24-30R	30' (9,144 mm)
ADV-CI-24-35R	35' (10,668 mm)

APPLICATIONS

- Curb ramps and blended transitions at pedestrian street TWSI crossings Truncated
 - Pedestrian refuge islands

Domes

- · Pedestrian at-grade rail crossings not located within a street or highway
- Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards
- · Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.



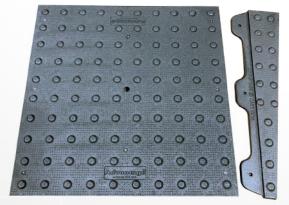
CAST IRON PREMIER Replaceable Cast Iron Plates

Advantage® Cast Iron Premier Tactile Walking Surface Indicator (TWSI) plates are manufactured in strict accordance with ASTM A-48, Class 35B Grey Cast Iron. The Advantage Replaceable Cast in Place Premier System is lightweight with exceptional high strength, and utilizes the most advanced metallurgical Engineering Science and Technology to exceed the most stringent accessibility standards. Advantage Cast Iron Premier 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
- Parking Areas
- Pedestrian Crossings
- Transit Platforms
- Vehicular Passage Ways
- Top of Stair Landings / Wheelchair Ramps
- Escalator Approaches
- Multi-Modal Transit Stations

- · Lightweight and easy to install
- · Self-threading corrosion-resistant composite nylon anchors
- · Available in various sizes and radii
- · Engineered to endure the toughest conditions such as snowplows, 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



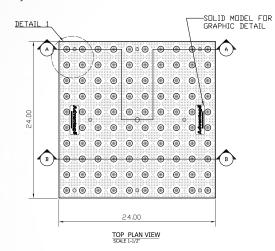


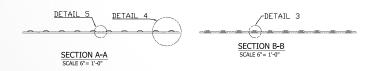




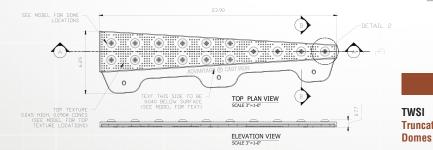








CAST IRON PREMIER WEDGE



STANDARD COLOR



Brick Red Federal Yellow Code: RD Code: YW

Dark Grey Code: DG

Onyx Black Code: BK

STANDARD ADVANTAGI	E CAST IRON SIZES
STANDARD SIZE	PRODUCT CODE
12" x 24" (305 x 610 mm)	ADV-RCI-1224
18" x 24" (457 x 610 mm)	ADV-RCI-1824
24" x 24" (610 x 610 mm)	ADV-RCI-2424
30" x 24" (762 x 610 mm)	ADV-RCI-3024
RADIAL WEDGE	PRODUCT CODE
15' (4,572 mm)	ADV-RCI-15RW
20' (6,096 mm)	ADV-RCI-20RW
25' (7,620 mm)	ADV-RCI-25RW
30' (9,144 mm)	ADV-RCI-30RW

NOTE: Standard Specification for Grey Iron Castings, Class 35B

APPLICATIONS

- · Curb ramps and blended transitions at pedestrian street TWSI crossings Truncated
 - Pedestrian refuge islands
 - · Pedestrian at-grade rail crossings not located within a street or highway
 - Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards
 - · Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.



DIRECTIONAL PLATES High Durability

Advantage[®] Cast Iron Premier 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
- Parking Areas
 Transit Platforms
- Pedestrian Crossings
- Vehicular Passage Ways
 Top of Stair Landings / Wheelchair Ramps
- **PRODUCT FEATURES**
- · Lightweight and easy to install
- · Anchors are integral to the part
- · Product allows installation to achieve shallow curves
- Engineered to endure the toughest conditions such as snowplows, 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



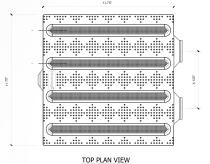




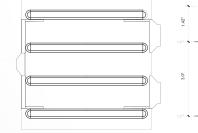




TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS







BOTTOM PLAN VIEW

10.75*

SIDE VIEW



ISOMTERIC TOP VIEW



ISOMTERIC BOTTOM VIEW

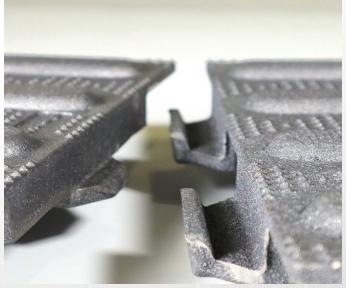
STANDARD COLOR



APPLICATIONS

TWSI Wayfinding Bars Tactile direction indicators should be located in large open floors 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 and service doors.





TWSI DOMES *Elegance Meets Functionality*

Advantage[®] ONE Tactile Walking Surface Indicators (TWSI) Domes have been designed for all interior/exterior accessibility solutions. Advantage ONE Tactile indicators are machined from a solid piece of 316L Marine Grade Stainless Steel, which has proven to be an aesthetically pleasing, strong, and durable material. Advantage ONE incorporates an integral texture in the stainless steel for permanent slip resistance. Advantage ONE TWSI products offer the lowest lifecycle cost and eliminate long-term safety concerns and accessibility limitations.

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

- Revolving Door Approaches
- Escalator Approaches
- Wheelchair Ramps
- Transit Platforms
- Parking Areas
- Multi-Modal Transit Stations
- Turnstile and Gate Access
- Top of Stair Landings

PRODUCT FEATURES

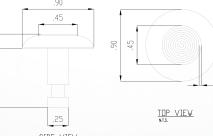
- · 316L, Marine-grade stainless steel, designed for all-weather use
- · Recommended for interior and exterior installations
- Innovative adhesive capture design
- · Optimum anti-slip design
- · Resistant to heavy traffic abuse and maintenance machinery
- 5-year manufacturer's warranty

Domes come in the following styles: DOMES

Concentric Rings Pattern
 Crosshatch Pattern
 Carborundum - Non-Slip

TACTILE WALKING SURFACE INDICATOR (TWSI) DOMES

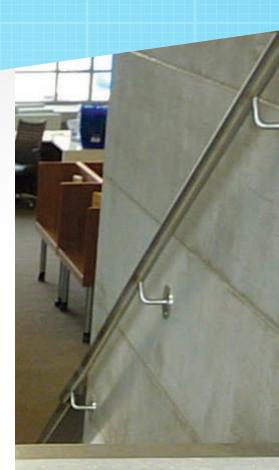


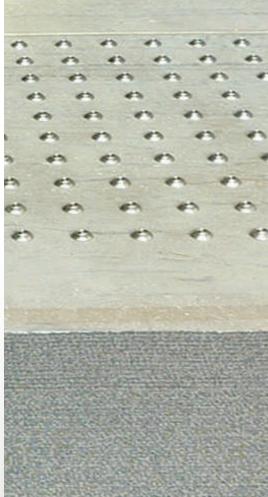


SIDE VIEW nt.s.













TWSI WAYFINDING BARS *Elegance Meets Functionality*

Advantage[®] ONE Tactile Walking Surface Indicators (TWSI) Wayfinding Bars have been designed for all interior/exterior accessibility solutions. Advantage ONE Tactile indicators are machined from a solid piece of 316L Marine Grade Stainless Steel, which has proven to be an aesthetically pleasing, strong, and durable material. Advantage ONE incorporates an integral texture in the stainless steel for permanent slip resistance. Advantage ONE TWSI products offer the lowest lifecycle cost and eliminate long-term safety concerns and accessibility limitations. Tactile Walking Surface Indicators (TWSI) and Wayfinding Bars are for the following and many more applications, both indoors and outdoors:

Airports · Shopping Malls · Sport Arenas · Large Open Spaces

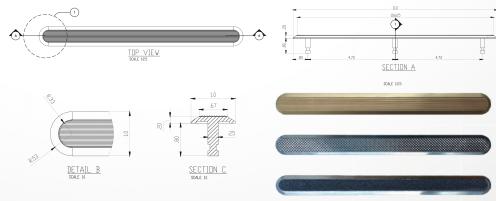
PRODUCT FEATURES

- 316L, Marine-grade stainless steel, designed for all-weather use
- Recommended for interior and exterior installations
- Innovative adhesive capture design
- Optimum anti-slip design
- · Resistant to heavy traffic abuse and maintenance machinery
- 5-year manufacturer's warranty

Wayfinding Bars come in the following styles: WAYFINDING BARS

Crosshatch Pattern
 Carborundum – Non-Slip
 Linear Grooves

TACTILE WALKING SURFACE INDICATOR (TWSI) WAYFINDING BARS



ADVANTAGE ONE - INDIVIDUAL BARS

BAR SIZE	PRODUCT CODE	CENTRE BAR PATTERN	MATERIAL
11" x 1" (280 x 27 mm)	ADV-B-2281-N	Cross Hatch	Stainless Steel 316L
11" x 1" (280 x 27 mm)	ADV-B-3281-N	Linear Grooves	Stainless Steel 316L
11" x 1" (280 x 27 mm)	ADV-B-5281-N	Black Carborundrum	Stainless Steel 316L

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.

APPLICATIONS

 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.



TWSI DOMES Surface Applied

Advantage[®] One Surface Applied Tactile Walking Surface Indicators are designed to provide an accessibility solution in many interior applications. In particular, Surface Applied can be used on the floor where TWSI are required; but the floor cannot be drilled into to secure Advantage One TWSI. Advantage One Surface Applied TWSI are stainless steel domes with a rubber base that attaches to the floor with a self-adhesive permanent tape. Like anchored Advantage One TWSI, Advantage One Surface Applied are machined from a solid piece of 316L Marine Grade Stainless Steel and are aesthetically pleasing, strong, and durable. They incorporate an integral texture in the stainless steel for permanent slip resistance.

Advantage One Surface Applied is specifically designed for use when drilling holes for the anchored version of Advantage One Domes is inappropriate or impossible. Each 100-dome box comes with a clear plastic template to use when installing in the prescribed dome pattern.

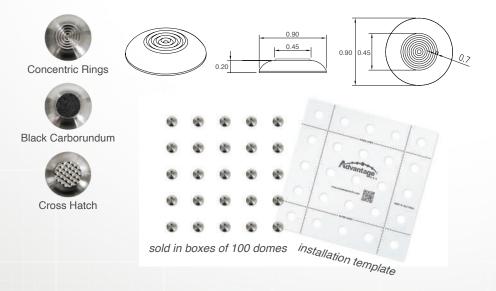
PRODUCT FEATURES

- 316L, Marine-grade stainless steel
- Optimum anti-slip design
- Self-adhesive permanent tape on rubber base
 - e 5-year manufacturer's warranty

Domes come in the following styles: PLATE DOMES

Concentric Rings Pattern
 Crosshatch Pattern
 Carborundum - Non-Slip

TACTILE WALKING SURFACE INDICATOR (TWSI) DOMES















Advantage® One Surface Applied Tactile Walking Surface Indicators are designed to provide an accessibility solution in many interior applications. In particular, Surface Applied can be used on the floor where TWSI are required; but the floor cannot be drilled into to secure Advantage One TWSI. Advantage One Surface TWSI are stainless steel wayfinding bars with a rubber base that attaches to the floor with a self-adhesive permanent tape. Like anchored Advantage One TWSI, Advantage One Surface Applied are machined from a solid piece of 316L Marine Grade Stainless Steel and are aesthetically pleasing, strong, and durable. They incorporate an integral texture in the stainless steel for permanent slip resistance.

Advantage One Surface Applied is specifically designed for use when drilling holes for the anchored version of Advantage One Bars is inappropriate or impossible. Each 4-bar box comes with a clear plastic template to use when installing in the prescribed bar pattern.

PRODUCT FEATURES

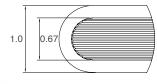
- · 316L, Marine-grade stainless steel
- · Optimum anti-slip design
- · Self-adhesive permanent tape on rubber base

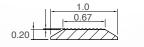
- 5-year manufacturer's warranty

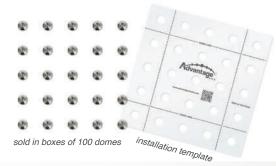
Wayfinding Bars come in the following styles: PLATE WAYFINDING BARS

Crosshatch Pattern
 Carborundum - Non-Slip
 Linear Grooves

TACTILE WALKING SURFACE INDICATOR (TWSI) WAYFINDING BARS







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ADVANTAGE ONE - INDIVIDUAL BARS

BAR SIZE	PRODUCT CODE	CENTRE BAR PATTERN	MATERIAL
11" x 1" (280 x 27 mm)	ADV-B-2281-SA	Cross Hatch	Stainless Steel 316L
11" x 1" (280 x 27 mm)	ADV-B-3281-SA	Linear Grooves	Stainless Steel 316L
11" x 1" (280 x 27 mm)	ADV-B-5281-SA	Black Carborundrum	Stainless Steel 316L

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.

APPLICATIONS

 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.



TWSI STAINLESS STEEL PLATE BASE

Advantage[®] ONE Plate Tactile Walking Surface Indicators (TWSI) have been designed for all interior accessibility solutions. Advantage ONE Plate indicators are machined from a solid piece of 316L Marine Grade Stainless Steel and fastened to a solid Stainless Steel plate. This process enhances the aesthetics of the tile, but also have been proven to be strong and durable. Advantage ONE Plate incorporates an integral texture in the stainless steel for permanent slip resistance. Advantage ONE Plate TWSI products offer the lowest lifecycle cost, and eliminate long-term safety concerns and accessibility limitations.

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

Escalator Approaches

Top of Stair Landings

Multi-Modal Transit Stations

Transit Platforms

- Revolving Door Approaches
- Wheelchair Ramps
- Parking Areas
- Top of Stair Landings
- Turnstile and Gate Access

PRODUCT FEATURES

- 316L, Marine-grade stainless steel
- Innovative adhesive capture design
- Optimum anti-slip design
- · Resistant to heavy traffic abuse and maintenance machinery
- 5 year manufacturer's warranty

Domes and Bars come in the following styles:

PLATE DOMES

• Crosshatch Pattern

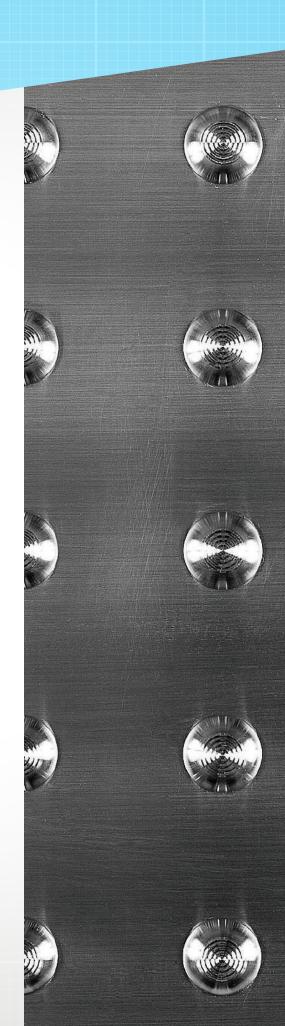
- Concentric Rings Pattern
 Crosshatch Pattern
 - Carborundum Non-Slip
- Carborundum Non-Slip
 Linear Grooves





ADVANTAGE RADIUS CALCULATOR go to https://new.advantagetactile.com







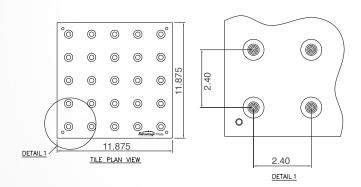




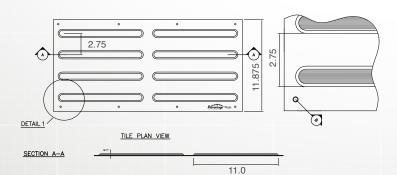


Concentric Rings

Black Carborundum Cross Hatch



TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS



PRODUCT OPTIONS

Stainless Steel
 Black Carborundum

ADVANTAGE ONE DOME PLATE SIZES		
DOME PLATE SIZE	PRODUCT CODE	CENTRE DOME PATTERN
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-11451-N Adv-Pd-11351-N	Concentric Rings
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-21421-N Adv-PD-21321-N	Cross Hatch
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-51421-N ADV-PD-51321-N	Black Carborundrum

ADVANTAGE ONE WAYFINDING BAR PLATE SIZES

BAR PLATE SIZE	PRODUCT CODE	CENTRE BAR PATTERN
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-31431-N ADV-PB-31331-N	Cross Hatch
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-21431-N ADV-PB-21331-N	Linear Grooves
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-51431-N ADV-PB-51331-N	Black Carborundrum

APPLICATIONS

Tactile Direction Indicator • Located in large open floor areas, such as shopping malls or transportation terminals, to facilitate wayfinding by indicating the primary routes of travel.

Wayfinding Bars 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.





TWSI BLACK PVD-COATED PLATE BASE

Advantage® ONE Plate Tactile Walking Surface Indicators (TWSI) have been designed for all interior accessibility solutions. Advantage ONE TWSI are machined from 316L Marine Grade Stainless Steel and welded to a solid Stainless Steel plate that has been black PVD-coated to a Midnight Black shade. The PVD-coated base provides strong contrast to light surfaces, as is required by the CSA standard for Accessible Design (CSA B651) and exceptional appearance. Besides being aesthetically pleasing these plates are strong, durable, and incorporate an integral texture in the stainless steel to provide permanent slip resistance.

Advantage ONE Plate TWSI products offer the lowest lifecycle cost and eliminates long term safety concerns and accessibility limitations.

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

- Revolving Door Approaches
- Escalator Approaches
- Wheelchair Ramps
- Parking Areas
- Transit Platforms
- Multi-Modal Transit Stations
- Turnstile and Gate Access Top of Stair Landings

PRODUCT FEATURES

- 316L Marine-grade stainless steel
- · Optimum anti-slip design
- · Resistant to heavy traffic abuse and maintenance machinery
- 5-year manufacturer's warranty

Domes and Bars come in the following styles:

PLATE DOMES

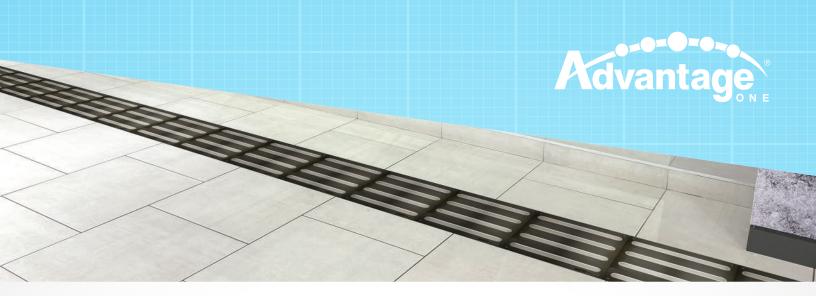
- **PLATE BARS** Linear Grooves
- Concentric Rings Pattern Crosshatch Pattern
- Crosshatch Pattern
- Carborundum Non-Slip
- Carborundum Non-Slip











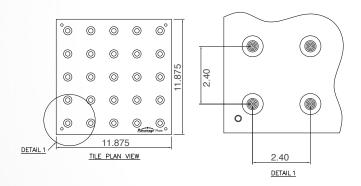




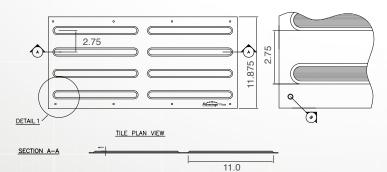


Concentric Rings

Black Carborundum Cross Hatch



TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS



PRODUCT OPTIONS

Stainless Steel
 Black Carborundum

ADVANTAGE ONE DOME PLATE SIZES		
DOME PLATE SIZE	PRODUCT CODE	CENTRE DOME PATTERN
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-11451-BK ADV-PD-11351-BK	Concentric Rings
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-21421-BK ADV-PD-21321-BK	Cross Hatch
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PD-51421-BK ADV-PD-51321-BK	Black Carborundrum

ADVANTAGE ONE WAYFINDING BAR PLATE SIZES		
BAR PLATE SIZE	PRODUCT CODE	CENTRE BAR PATTERN
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-21431-BK ADV-PB-21331-BK	Cross Hatch
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-31431-BK ADV-PB-31331-BK	Linear Grooves
12" x 12" (305 x 305 mm) 12" x 24" (305 x 610 mm)	ADV-PB-51431-BK ADV-PB-51331-BK	Black Carborundrum

APPLICATIONS

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.





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