



# **SURFACE APPLIED TACTILE**

# SURFACE APPLIED TACTILE

## Inline Dome Pattern

### DOMES 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 1.6" minimum and 2.4" maximum.

### PANEL DIMENSIONS

Tactile Panels are available in 12"x12", 24"x24", 24"x36", 24"x48", 24"x60", 36"x48" and 36"x60" sizes and measure 3/16" thick. Panels can be custom cut to fit field conditions. All four edges of each panel have a 1/2" beveled edge. Each panel has 12 to 24 pre-formed fastener locations based upon panel size.



### MATERIAL

A homogenous fiberglass and carbon reinforced composite which is colorfast and UV stable. Truncated domes are fiberglass reinforced for enhanced durability. The Tactile Panel color is uniform throughout and does not rely on any type of paint coating to achieve color stability.

### 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 1308
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
Adhesion to Conc. (20-180 degrees)	No Delamination or Degradation	ASTM C 903
Freeze/Thaw/Heat	No Disintegration	ASTM C 1026

### INSTALLATION

ADA Surface Applied TWS Panel (Existing Concrete):  
TWS Panel can be easily installed (adhered, fastened & sealed) in a matter of minutes.

### INCIDENTALS

**Fasteners:** 1/4" x 1 1/2" composite sleeve anchor with stainless steel pin.

**Adhesive:** 10 ounce Tube of structural polyether adhesive.

**Sealant:** BASF MasterSeal NP1, Sikaflex® 1A, or equivalent (by others).

### WARRANTY

Surface Applied Tactile Panel shall be guaranteed in writing for a period of seven (7) years from date of contract's final completion. The guarantee includes breakage and deformation of the tactile warning surface material.

**7** YEAR WARRANTY

Color Throughout

# RADIUS TACTILE - SURFACE APPLIED

## Inline Dome Pattern

### DOMGEOMETRY

ADAAG and PROWAG Compliant in-line truncated dome pattern.

### UNIVERSAL RADIUS TWS PANEL

Universal Radius TWS Panel is scored on backside for a 10', 15' and 20' radial condition and may be cut to accommodate site conditions. [See www.adatile.com](http://www.adatile.com) for new radius tile calculator.

### RADIUS PANEL KIT

ADA Radius Surface Applied TWS Panel: 24" x 33¼", 16 composite sleeve anchors with stainless steel pins and 1 tube of adhesive.

### MATERIAL

A homogenous fiberglass and carbon reinforced composite which is colorfast and UV stable. Truncated domes are fiberglass reinforced for enhanced durability. The color of the TWS Panel is uniform throughout and does not rely on any type of paint coating to achieve color stability.

### PHYSICAL CHARACTERISTICS

Compressive Strength	28,900 psi	ASTM D 695
Flexural Strength	29,300 psi	ASTM D 790
Slip Resistance	1.18 Dry, 1.05 Wet	ASTM C 1028
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

### INSTALLATION

ADA Radius Surface Applied TWS Panel (Existing Construction): Radius Surface Applied Panel can be easily installed (adhered, fastened & sealed) to existing concrete for applications with outer radius conditions between 6' to 21'. Each panel comes with pre-scored markings for a 10', 15' or 20' outer radius cut. The panel can be cut on site.

### INCIDENTALS

**Fasteners:** ¼" x 1½", composite sleeve anchor with stainless steel pin.

**Adhesive:** One 10-ounce tube of structural polyether adhesive.

**Sealant:** BASF MasterSeal NP1, Sikaflex® 1A, or equivalent (by others).

### WARRANTY

ADA Radius Surface Applied TWS Panel shall be guaranteed in writing for a period of seven (7) years from date of contract's final completion. The guarantee includes breakage and deformation of the tactile warning surface material.

**7** YEAR WARRANTY

15' RADIUS CUT

20' RADIUS CUT

10' RADIUS CUT

Pre-Scored

Color Throughout



**White**  
27925

**Brick Red**  
20109

**Yellow**  
33538

**Blue**  
15187

**Safety Red**  
31350

**Seattle Yellow**  
23594

**Black**  
37038

**Dark Gray**  
36118

**Clay Red**  
22144

CAST-IN-PLACE		Item No.	Part Weight	Pcs/Box	Box Weight*	Pieces/Pallet	Weight
1.67	2' x 3'	2436PAV1	19.10	32	670	96	2,010
	2' x 4'	2448PAV1	25.20	25	690	75	2,070
	2' x 5'	2460PAV1	31.60	25	850	75	2,550
	3' x 4'	3648PAV1	38.40	25	1,020	50	2,040
	3' x 5'	3660PAV1	47.60	25	1,250	50	2,500
2.35	2' x 3'	2436PAV2	17.50	32	620	96	1,860
	2' x 4'	2448PAV2	23.20	25	640	75	1,920
	2' x 5'	2460PAV2	30.60	25	830	75	2,480
	3' x 4'	3648PAV2	35.50	25	950	50	1,900
	3' x 5'	3660PAV2	44.20	25	1,170	50	2,330

RADIUS		Anchors	Item No.	Ship Weight	Box		Pallet	
					Pieces	Weight	Pieces	Weight
Replaceable	8		248RADREP	14.00	32	510	96	1,520
Retrofit	16		24RADRET	11.00	82	965	82	960

SURFACE APPLIED		Anchors	Item No.	Part Weight	Pcs/Box	Box Weight*	IMPORTANT: We do not double- or triple-stack Surface Applied Tiles.
1.67	2' x 4'	15	2448RET1	19.00	80	1,580	
	3' x 4'	20	3648RET1	28.00	50	1,460	
	3' x 5'	24	3660RET1	32.00	50	1,660	
2.35	2' x 3'	12	2436RET2	13.20	112	1,540	
	2' x 4'	15	2448RET2	17.80	80	1,485	
	2' x 5'	18	2460RET2	22.00	80	1,820	
	3' x 4'	20	3648RET2	28.00	50	1,460	
3' x 5'	24	3660RET2	33.00	50	1,710		

REPLACEABLES		Anchors	Item No.	Ship Weight	Pcs/Box	Box Weight*	Pieces/Pallet	Weight
2.35	2' x 3'	8	2436HDREP	23.40	25	645	50	1,290
	2' x 4'	8	2448HDREP	30.80	20	680	40	1,350
	2' x 5'	11	2460HDREP	38.00	24	975	48	1,940
	3' x 4'	13	3648HDREP	40.00	14	560	28	1,120
3' x 5'	12	3660HDREP	53.80	14	815	28	1,630	

New Surface Applied part sizes now available in 2.40" dome spacing:  
**12" x 12"**  
**24" x 24"**

HEAVY-DUTY REPLACEABLES		Anchors	Item No.	Ship Weight	Pcs/Box	Box Weight*	Pieces/Pallet	Weight
2.35	2' x 3'	8	2436HDREP	23.40	25	645	50	1,290
	2' x 4'	8	2448HDREP	30.80	20	680	40	1,350
	2' x 5'	11	2460HDREP	38.00	24	975	48	1,940
	3' x 4'	13	3648HDREP	40.00	14	560	28	1,120
	3' x 5'	12	3660HDREP	53.80	14	815	28	1,630

CAST-IRON		Anchors	Item No.	Ship Weight	Pieces / Pallet	Pallet Weight
2.40	12" x 24"	4	1224ID	17.50	100	1,850
	24" x 24"	6	2424ID	33.88	50	1,800
	24" x 30"	8	2430ID	41.13	50	2,150
	Wedge, R15	2	15IDW	5.50	200	1,200
	Wedge, R20	2	20IDW	5.50	200	1,200
	Wedge, R25	2	25IDW	6.00	200	1,200
	Wedge, R30	2	30IDW	6.50	200	1,200

DIRECTIONAL BAR TILE		Anchors	Item No.	Ship Weight	Pieces / Pallet	Pallet Weight*	IMPORTANT: We do not double- or triple-stack Directional Bar Tiles.
3.15	6" x 24"	6	BARTILESA0624	2.20	600	1320	
	6" x 24"	6	BARTILEREP0624	2.20	600	1320	
	6" x 48"	12	BARTILESA0648	4.80	300	1440	
	6" x 48"	12	BARTILEREP0648	4.80	300	1440	
	12" x 12"	6	BARTILESA1212	2.00	800	1600	
	12" x 12"	6	BARTILEREP1212	2.00	800	1600	
	12" x 24"	8	BARTILESA1224	4.40	400	1760	
	12" x 24"	8	BARTILEREP1224	4.40	400	1760	
	24" x 24"	24	BARTILESA2424	8.60	200	1720	
	24" x 24"	24	BARTILEREP2424	8.60	200	1720	

\*All weights include box and pallets weight

# SURFACE APPLIED TACTILE



## Installation Procedure

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

**A.** **Environmental Conditions:** Air and flooring temperatures must exceed 4°C (40°F) for at least 8 daytime hours for a sound and proper installation. A propane torch may be used to boost the flooring temperature to expedite the cure of adhesives and sealants.

**B.** The installation area should be cleaned of all debris, oil and grease, making sure the area is completely free of moisture. Tactile Panel may be surface applied on existing pre-cleaned substrate.

**C.** Lay out the Tactile Panel on the substrate as it will appear when installed.  
• If required, the Tactile Panel may be cut. See web site for more details.

**D.** Place a 3/8" bead of adhesive on the frame of the bottom of each Tactile Panel.

2'x3'	2'x4'	2'x5'	require one 10-ounce tube of adhesive
	3'x4'	3'x5'	require two 10-ounce tubes of adhesive

**E.** Set the Tactile Panel in the installation area. Make all necessary adjustments prior to fastening.

**F.** Fasteners shall be installed in pre-formed fastener locations. Holes shall be drilled using a hammer drill with 1/4" x 2" min SDS bits. The drilled holes must be a minimum of 2" deep. Place fasteners in hole and hammer into place.  
• If additional fasteners are required, use a 1/2", six point, 82 degree countersink to add a new fastener location. Follow the same drilling method for installing the fastener.

**G.** Caulk perimeter of entire installation using BASF MasterSeal NP1, Sikaflex® 1A or equivalent.  
• All concrete dust present on the Tactile Panel resulting from the drilling process must be cleaned off of the Tactile Panel prior to using any caulking materials.

*\*Not recommended or warrantied for asphalt installation.*

*View additional photos, drawings, specifications and products on our website: [www.adatile.com](http://www.adatile.com). Please call (800) 372-0519 with any questions.*



**PRODUCT SIZES**  
2'x3' 2'x4' 2'x5'  
3'x4' 3'x5'

**APPLICATION**  
Existing  
Concrete Ramps

# RADIUS TACTILE – SURFACE APPLIED

## Installation Procedure

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

- A.** **Environmental Conditions:** Air and flooring temperatures must exceed 4°C (40°F) for at least 8 daytime hours for a sound and proper installation. A propane torch may be used to boost the flooring temperature to expedite the cure of adhesives and sealants.
- B.** The installation area should be cleaned of all debris, oil and grease, making sure the area is completely free of moisture. Tactile Panel may be surface mounted on existing pre-cleaned substrate.
- C.** Lay out the Tactile Panel on the substrate as it will appear when installed.
  - If required, the Tactile Panel may be cut. 10', 15', & 20' radius are pre-scored on backside of tactile panel. See web site for more details.
- D.** Place a 3/8" bead of adhesive on the frame of the bottom of each Tactile Panel.
- E.** Set the Tactile Panel in the installation area. Make all necessary adjustments prior to fastening.
- F.** Fasteners shall be installed in pre-formed fastener locations. Holes shall be drilled using a hammer drill with 1/4" x 2" min SDS bits. The drilled holes must be a minimum of 2" deep. Place fasteners in hole and hammer into place.
  - If additional fasteners are required, use a 1/2", six point, 82 degree countersink to add a new fastener location. Follow the same drilling method for installing the fastener.
- G.** Caulk perimeter of entire installation using BASF MasterSeal NP1, Sikaflex® 1A or equivalent.
  - All concrete dust present on the Tactile Panel resulting from the drilling process must be cleaned off of the Tactile Panel prior to using any caulking materials.



**PRODUCT SIZES**  
24" x 33¼"

**APPLICATION**  
Existing  
Concrete Ramps

*\*Not recommended or warranted for asphalt installation.*

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