

Concrete Tactile Warning Panels

CASTinTACT®3



the original wet set concrete tactile panel.

▶ PRODUCT DESCRIPTION

High strength cementitious concrete panels for detectable warning. For exterior use at bottom of curb ramps and other locations to warn of a change from pedestrian to vehicular way. Three dimensional reinforced with structural macro fibers to increase flexural strength, ductility and toughness. Microsilica enhanced to increase compressive strength and reduce permeability to chloride ion intrusion; resists severe exposure to freeze thaw damage and de-icing chemicals. Offer dimensional stability and compatibility to concrete; similar co-efficient of expansion as base. Superior strength, durability and abrasion resistance achieved with an engineered mix design.

Panels are architectural finished to enhance surrounding concrete work. Full depth UV and weather proof integral colors provides long term visual contrast. Textured concrete finish for wet and dry slip resistance.

▶ FEATURES & BENEFITS

The CASTinTACT®3 Advantage:

- Cementitious concrete panels used for both new construction and retrofit.
- Easy to cut and core, uses on radiuses, around bollards, stairs, and vault boxes.
- Textured concrete finish for wet and dry slip resistance.
- High compressive and flexural strength, durable, tough and crack resistant.
- Compatible with concrete base, similar thermal co-efficient of expansion as base.
- Resistant to severe exposure, wet freeze thaw damage from de-icing chemicals.
- Panels become an integral and permanent part of the walking surface.
- Unique patented early-fast set installation method that takes 10 minutes.
- CASTinTACT®3 panels do not float during installation. Panels stay where placed.
- Eliminates air pockets, voids, tripping hazards and ballast weight used during installation.
- Panels appearance improves with wear and age.
- Easy to clean, maintain and repair.

▶ APPLICATIONS

Designed to meet ADA Federal Guidelines for detectable warning. For exterior use at the bottom of curb ramps and other locations such as depressed corners, raised crosswalks, raised intersections, borders of medians and islands, the edge of transit platforms, and sidewalks where railroad tracks cross as required under Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act - 28 CFR Part 35 Title II and 28 CFR 36 Title III.

▶ INSTALLATIONS

(See CASTinTACT web site under installation for installation guides)

- Early Entry Fresh Set
- Retrofit / Block Out
- Thin Set

CASTinTACT®3 Standard Colors

Custom colors available on request. Colors are approximate, samples available on request.



Black



Salem Red



Yellow



White



Textured to provide superior slip resistance

Distributed by:



Masons Supply
P.O. Box 42367
Portland, OR 97242

For more information please visit:

CASTinTACT.com

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**MADE IN THE
USA**

Concrete Tactile Warning Panels

CASTinTACT® 3

INSTALaTACT® Installation Tool

INSTALaTACT® Template
US Patent No. 7,000,361 & 7,121,048.



INSTALaTACT® Tool Sizes

- MA CT2 (2'x4' Tool)
- MA CT3 (3'x4' Tool)



CASTinTACT® 3 panels are early entry-fresh set with INSTALaTACT® Tool.

Recess concrete with INSTALaTACT® Installation Tool, insert CASTinTACT® 3 panels and finish level with concrete surface.

- FAST INSTALLATION METHOD FOR FRESH CONCRETE; TYPICALLY FRESH SET CURB RAMPS TAKE 10 MINUTES.
- CT2 TOOL CAN BE USED ON 2'X4', 2'X5', 2'X6' OR WIDER RAMPS.
- CT3 TOOL CAN BE USED ON 3'X4', 3'X6' AND 3'X8' RAMPS.
- BOTTOM SHOVEL GUIDES MAKE SURE PROPER SETTING DEPTH IS ACHIEVED.
- POWDER COATED FINISH ON INSTALaTACT® TOOL FOR EASY CLEAN UP.

Download specifications and full-size panel drawings online at www.CASTinTACT.com

Test Results

► COMPLIANCES

CASTinTACT®3 concrete tactile warning panels comply with Americans with Disabilities Act 4.29.2 standards. CASTinTACT®3 panels are manufactured in the United States. The CASTinTACT®3 tactile warning panel also meets all Access Board PROWAC R304 requirements and physical properties listed below:

► PRODUCT PACKAGING

CASTinTACT® 3 Panel Dimensions (Top Face)

2.35" Dome Spacing	Actual Sizes	Qty / Pallet	Wt / Pallet
2' x 2' Panel	23.5" width x 24" depth	48 Panels	2,400 lbs.
2.5' x 2' Panel	30.55" width x 24" depth	38 Panels	2,400 lbs.
3' x 2' Panel	23.5" width x 36" depth	34 Panels	2,500 lbs.
Dimension Tolerances:			
+/- 1/8" (width, length, height)			

CASTinTACT®3 Technical Specifications

PROWAC Guidelines R304 Detectable Warning Surface

Guideline	Description	Requirement	CASTinTACT® 3
R304.1	Dome Alignment	Square Grid Pattern	Yes
R304.1.1	Base Dome Diameter	0.9" min - 1.4" max	1.0"
	Top Dome Diameter	50% to 65% Base Diameter	0.60"
	Dome Height	0.20"	0.20"
R304.1.2	Dome Center to Center Spacing	1.6" min - 2.4" max	2.35"
	Base to Base Spacing	0.65" min	1.35"
R304.1.3	Visual Contrast	Light on Dark or Dark on Light	Yes
	Color Requirement	Integral Colored Material	Yes
R304.1.4	Size	24" min direction of travel	Yes
R301.5	Surface	Firm, Stable and Slip Resistant	Yes

Panel Thickness 0.9"
Reinforcement - Macro Structural Fiber.

ASTM C 936-08 Standard Spec for Solid Concrete Interlocking Paving Units

Test Method	Test Description	Requirement	CASTinTACT® 3
ASTM C 140	Compressive Strength/Average	8,000 psi	10,000 psi
ASTM C 140	Water Absorption/Average	5% max	< 5.0%
ASTM C 1645	Freeze Thaw & De-Icing Salt Durability	max loss 200g/m ² , 25 cycles, 3% saline	< 20g/m ² , 25 cycles
ASTM C 418	Abrasion Resistance	15cm ³ /50cm ² max loss	< 1cm ³ /50cm ² loss
ASTM C 293	Flexural Strength	1,000 psi	1,100 psi

Other Test Results

ASTM C 1262	Freeze Thaw Durability	1% max loss, 100 cycles, 3% ChCl	< 1% loss
ASTM C 672	Scaling Resistance	Visual Inspection Rating	0-1, Passing
ASTM C 666	Rapid Freezing and Thawing	1% max loss, 300 cycles	100%, No Loss
ASTM C 779	Abrasion Resistance / Prod. A	Loss in inches @ 30min/60min	-0.006/30min, -0.015/60min
ASTM C 482	Adhesion/Bond Strength	No Adhesion Failure	Passing
ASTM C 1028	Wet/Dry Slip Resistance (Mod)	0.80 min wet/dry	Passing
ASTM C 348	Flexural Strength	-	2,000 psi
CRD-C 39	Coefficient of Linear Thermal Expansion of Concrete	Concrete = 8.0 x 10 ⁻⁶	8.1 x 10 ⁻⁶ at 95% RH

CASTinTACT® 3 IS OFFERED WITH A FIVE YEAR LIMITED WARRANTY AND WILL CERTIFY PANELS TO MEET OR EXCEED INTERNAL STANDARDS AS WELL AS PREVIOUSLY STATED ASTM PERFORMANCE STANDARDS.

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