MASCO
MASONS SUPPLY

CASTinTACT®

Concrete Tactile Warning Panels

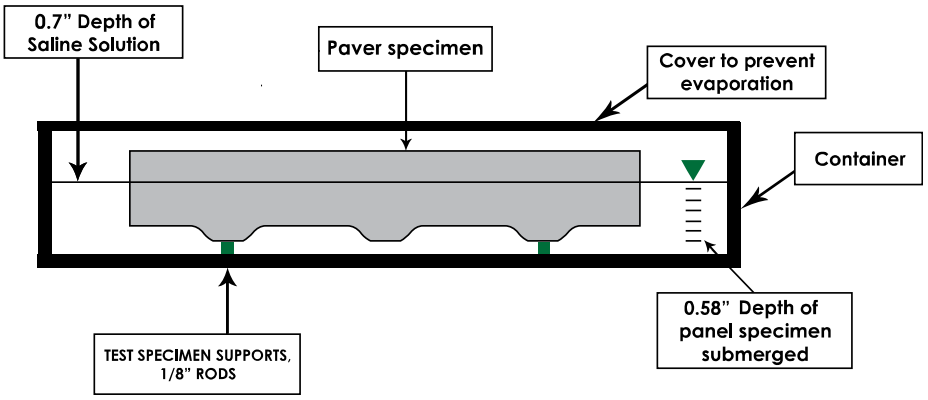
Freeze-Thaw Durability

ASTM C 1262 Freeze-Thaw Durability | Using a 3% by weight sodium chloride solution.

ASTM standards for concrete pavers have requirements for freeze-thaw durability. This test method covers the resistance to freezing and thawing of manufactured concrete masonry and related concrete units. Units are tested either in water or in a saline solution depending on the intended use of the units in actual service.

The concrete pavers are partially immersed in a 3% sodium chloride solution and subjected to 50 cycles of freezing and thawing. The pavers are allowed to have a maximum loss of 1% of the original mass after the 50 freeze-thaw cycles.

CASTinTACT® is manufactured with high performance concrete having a dense impermeable matrix to resist damaging effects of freeze thaw cycles and deicing chemicals.



Test Specimen in Freezing-and-Thawing Container

100 Cycles

Specimen	Cumulative Residue Weight (g)	Calculated Initial Weight (g)	% Loss
A	0.29	1017.27	0.02
B	0.42	1014.55	0.03
C	0.25	1040.88	0.02
D	0.16	988.87	0.01
E	0.17	1006.04	0.01
		Average	**0.02**

200 Cycles

Specimen	Cumulative Residue Weight (g)	Calculated Initial Weight (g)	% Loss
A	0.29	1017.27	0.02
B	0.42	1014.55	0.03
C	0.25	1040.88	0.02
D	0.16	988.87	0.01
E	0.17	1006.04	0.01
		Average	**0.02**