

# CASTinTACT®

## Concrete Tactile Warning Panels

### Resistance of Concrete to Rapid Freezing and Thawing

#### ASTM C 666 Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing

This test method covers the determination of the resistance of concrete specimens to rapidly repeated cycles of freezing and thawing in the laboratory by two different procedures: Procedure A, Rapid Freezing and Thawing in Water, and Procedure B, Rapid Freezing in Air and Thawing in Water.

Both procedures are intended for use in determining the effects of variations in the properties of concrete on the resistance of the concrete to the freezing-and-thawing cycles specified in the particular procedure.

#### Procedure A

Cycles	Specimen	Fundamental Transverse Frequency (KHz)	Weight (g)	Relative Dynamic Modulus of Elasticity (%)
0	A	2.419	5095.63	---
	B	2.405	5004.32	---
	C	2.424	5121.50	---
108	A	2.410	5109.22	99.26
	B	2.407	5017.70	100.17
	C	2.415	5133.38	99.26
216	A	2.425	5110.11	100.50
	B	2.435	5018.20	102.51
	C	2.452	5134.32	102.32
300	A	2.440	5109.56	101.74
	B	2.431	5017.65	102.17
	C	2.450	5133.46	102.16