

# CASTinTACT®

## Concrete Tactile Warning Panels

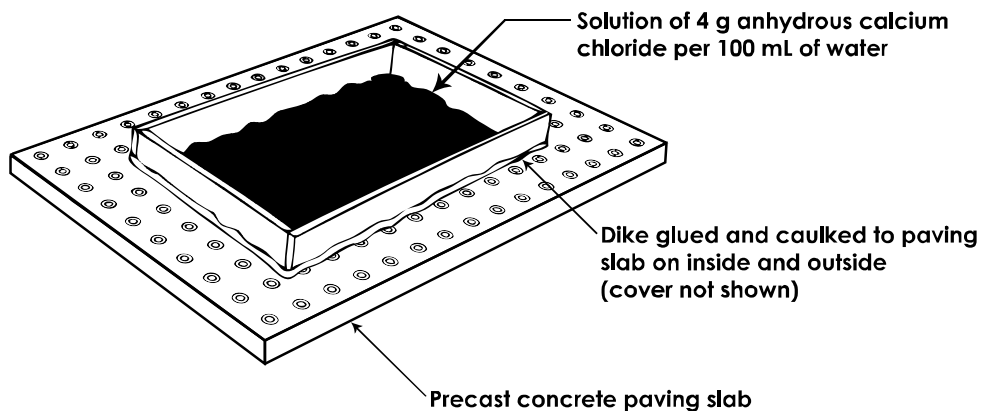
### Scaling Resistance

#### ASTM C 672 Scaling Resistance | Exposed to Deicing Chemicals

ASTM standards for concrete pavers have requirements for freeze-thaw durability. This test method covers the resistance to scaling of a horizontal concrete surface exposed to freeze and thawing cycles in the presence of deicing chemicals. It is intended for use in evaluating this surface resistance by visual inspection.

The concrete pavers are surface ponded in a solution containing 4g of calcium chloride per 100mL of water. Pavers are subjected to 50 cycles of freezing and thawing. Visual inspection is performed after every 5 cycles.

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



**Paving Slab Freeze-thaw Scaling Setup**

| Number of Cycles | Rating | Number of Cycles | Rating |
|------------------|--------|------------------|--------|
| 5                | 0      | 30               | 0      |
| 10               | 0      | 35               | 0      |
| 15               | 0      | 40               | 0 – 1  |
| 20               | 0      | 45               | 0 – 1  |
| 25               | 0      | 50               | 0 – 1  |

| Rating | Condition of Surface   |
|--------|--|
| 0      | No scaling   |
| 1      | Very slight scaling (3 mm [1/8 in.] depth, max, no coarse aggregate visible) |
| 2      | Slight to moderate scaling   |
| 3      | Moderate scaling (some coarse aggregate visible)                             |
| 4      | Moderate to severe scaling   |
| 5      | Severe scaling (coarse aggregate visible over entire surface)                |