

TECHNICAL DATA

DESCRIPTION: Deck Mix SCC is a single component self consolidating, shrinkage compensated, pumpable concrete. Deck Mix SCC contains an integral corrosion inhibitor, pozzolan and special additives that allow easy placement by hand or pump. It's easy to use, requiring only the addition of potable water at the jobsite.

USE ON: Balconies, tunnels, roadways, parking decks and elevated concrete slabs

- ADVANTAGES:**
- Self consolidating
 - Contains 3/8" aggregate allowing for full depth placement
 - Strip forms one day after placement
 - Shrinkage compensated
 - Easy mixing and placement
 - Can be pumped or poured into forms
 - Very good resistance to freeze thaw cycling

| | 1 DAY | 3 DAYS | 7 DAYS | 28 DAYS |
|--------------------------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Compressive Strength (ASTM C 109 Modified) | 2000 psi (13.7 MPa) | 5000 psi (34.25 MPa) | 8000 psi (54.79 MPa) | 9000 psi (61.64 MPa) |
| Drying Shrinkage (ASTM C 157) | | | | -.02% |
| Bond Strength (ASTM C 882 Modified) | | | | 1200 psi (8.2 MPa) |
| Splitting Tensile (ASTM C 496) | | | 700 psi (4.8 MPa) | 850 psi (5.8 MPa) |
| Chloride Permeability (ASTM C 1202@ 60 volts) | | | | 875 coulombs |
| Setting Time | Initial 2 hours | Final 4 hours | | |
| Initial Spread | 28 inches | | | |

(over)

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APPLICATION: Add potable water to Deck Mix SCC at a rate of 100 fluid oz per 80lb bag. Use normal mechanical mixer appropriate for mixing cement based concrete repair materials. Pour approximately 75% of the water into the mixing container, then charge the mixer with the bagged material. Add the remaining water as needed. Mix Deck Mix SCC with measured water for no more than 3 minutes. Prior to installing the freshly mixed material, pre-dampen substrate to a surface saturated, dry condition with clean water for good bond. No special curing is required. Always follow ACI guidelines for application and curing methods.

LIMITATIONS: Deck Mix SCC should be used when ambient temperatures are at 40°F (4°C) and rising. Lower temperatures produce a slower set; higher temperatures produce a faster set. For temperatures below 40°F (4°C) consult with the manufacturer for special cold weather placement provisions which include but are not limited to conditioning of the materials, use of heated mix water and thermal protection. In hot weather use chilled water for mixing. Deck Mix SCC should not be applied at less than 1" (12.7 mm) thickness.

**PACKAGING/
YIELD:** Deck Mix SCC is packaged in 80 lb (36.3 kilo) bags. Each bag yields approximately .63 cubic feet fully extended with 100 fluid oz of potable water.

CAUTION: WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST. May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.