

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, columns, beams, 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 39 Modified)	2000 psi (13.7 MPa)	3500 psi (24.15 MPa)	6500 psi (44.52 MPa)	8000 psi (54.79 MPa)
Bond Strength (ASTM C 882 Modified)				2500 psi (17.1 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
Length Change (ASTM C 157 Dry Cured)				-.025 % (Dry Cured)
Freeze Thaw Resistance (ASTM C 666)	99.2% @ 300 cycles			
Setting Time	Initial 2 hours	Final 4 hours		
Initial Spread	28 inches			
Sulfate Resistance (ASTM C 1012)	Length Change at 6 Months: < +0.05% Expansion (High sulfate resistance)			

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APPLICATION: Add potable water to **Deck Mix SCC** at a maximum rate of 88 fluid oz. per 60lb bag. Use normal mechanical mixer appropriate for mixing cement based concrete repair materials. Pour approximately 2 1/2 quarts (80 oz) 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. 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 60 lb bags. Each bag yields approximately 0.50 cubic feet fully extended with maximum 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.