

### TECHNICAL DATA

**DESCRIPTION:** **Deck Mix FP/PM** is a single component self compacting, shrinkage compensated, pumpable concrete. Dry polymer is added for superior bonding to concrete substrates and higher flexural strength, as well as increased durability and freeze thaw resistance. **Deck Mix FP/PM** contains an integral corrosion inhibitor and special additives that allow easy placement by hand or pump. It is easy to use, requiring only the addition of potable water at the jobsite. **Deck Mix FP/PM** contains an integral corrosion inhibitor and special additives that allow easy placement by hand or pump. It is 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:**
- No bonding agent required
  - Strip forms one day after placement
  - Shrinkage compensated
  - Easy mixing and placement
  - Best resistance to freeze thaw cycling
  - Economical
  - Excellent bond to concrete substrates and high flexural strength

	1 DAY	3 DAYS	7 DAYS	28 DAYS
<b>Compressive Strength</b> (ASTM C 109 Modified)	2000 psi (13.7 MPa)	3000 psi (20.5 MPa)	5000 psi (34.49 MPa)	6000 psi (41.37 MPa)
<b>Drying Shrinkage</b> (ASTM C 157)				-.02%
<b>Bond Strength</b> (ASTM C 882 Modified)				1200 psi (8.2 MPa)
<b>Splitting Tensile</b> (ASTM C 496)			700 psi (4.8 MPa)	850 psi (5.8 MPa)
<b>Chloride Permeability</b> (ASTM C 1202@ 60 volts)				875 coulombs
<b>Setting Time</b>	<b>Initial</b> 2 hours	<b>Final</b> 4 hours		

(over)

## TECHNICAL DATA

**APPLICATION:** Add potable water to **Deck Mix FP/PM** at a rate of 2.5 quarts per 50lb bag. Use normal mechanical mixer appropriate for mixing cement based concrete repair materials. Mix **Deck Mix FP** with measured water for no more than 3 minutes. **Deck Mix FP/PM** may be extended with up to 15 lbs of clean well graded silica aggregate. If extending **Deck Mix FP/PM** with aggregate, mix aggregate with the appropriate amount of measured mix water and then add the **Deck Mix FP/PM**. 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. For detail application instructions refer to U.S Concrete Guide Specification Guide.fp

**LIMITATIONS:** **Deck Mix FP/PM** 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 FP/PM** should not be applied at less than 1" (12.7 mm) thickness.

**PACKAGING/ YIELD:** **Deck Mix FP/PM** is packaged in 50 lb (22.72 kilo) bags. Each bag yields approximately .42 cubic feet fully extended with 2.5 quarts 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.