

### TECHNICAL DATA

**DESCRIPTION:** **Deck Mix SP** is a single component high slump, polymer modified concrete with polypropylene fibers. **Deck Mix SP** features fibers for higher flexural and tensile strength, and special additives for easy placement and finishing. Dry polymer gives **Deck Mix SP** excellent bonding characteristics, durability and freeze thaw resistance. In addition, **Deck Mix SP** includes an integral corrosion inhibitor to protect the reinforcing steel. Finally like all Deck Mix products, **Deck Mix SP** contains air entrainment for additional protection from freeze thaw cycling. Easy to use, **Deck Mix SP** requires only the addition of potable water at the jobsite.

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

- ADVANTAGES:**
- Integral corrosion inhibitor
  - Strip forms one day after placement
  - Pumpable, single component eliminates the need for storage of liquid polymers
  - Requires only the addition of potable water
  - Excellent flexural compressive and bond strength
  - Excellent bond to concrete substrates

	3 DAYS	7 DAYS	28 DAYS
<b>Compressive Strength</b> (ASTM C 39 Modified)	3000 psi (20.5 MPa)	4000 psi (27.4 MPa)	6600 psi (45.5 MPa)
<b>Flexural Strength</b> (ASTM C 293)			2500 psi (17.2 MPa)
<b>Bond Strength</b> (ASTM C 882 Modified)			2500 psi (17.2 MPa)
<b>Splitting Tensile</b> (ASTM C 496)			1500 psi (10.3 MPa)
<b>Air Content</b>	6.5% (+/- 1.5 %)		

(over)

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**APPLICATION:** Add potable water to **Deck Mix SP** at a rate of 3.25 quarts per 80lb bag. Use normal mechanical mixer appropriate for mixing concrete with a coarse aggregate. Mix **Deck Mix SP** with measured water for no more than 3 minutes. Pre-dampen substrate to a surface saturated, dry condition with clean water for a 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.ae

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

**PACKAGING/  
YIELD:** **Deck Mix SP** is packaged in 80 lb Kraft paper bags. Each bag yields approximately .63 cubic feet when mixed with 3.25 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.