

READY MIX COLORS



SOLOMON COLORS



• Specifications • Section 03050

PART 1, GENERAL

1.01 DESCRIPTION

- A. Provide colored concrete for _____ (job identification) in accordance with Architects directions.

1.02 QUALITY ASSURANCE

- A. **Design Criteria:** The comprehensive strength of the concrete with pigment added shall be _____ psi.
- B. **Job Mock-up:** Construct on the job site a mock-up section of 4'x4' for walls, 8'x10' for slabs. Mock-up shall represent the final work in material and finish. Mock-up is to be poured to represent job site conditions. Leave the accepted mock-up in place until the work is completed and accepted.

1.03 SUBMITTALS

- A. **Samples:** Submit samples of color to the Architect prior to building a job mock-up section.
- B. **Test Reports:** Submit certified test reports showing compliance of compressive strength with pigment added meeting standards as set forth in ASTM designation _____.

1.04 QUALITY ASSURANCE

- A. Concrete color shall be 95% minus 325 mesh fineness.
- B. Color pigments shall be light fast, wettable, weather resistant, alkali resistant, and free of deleterious fillers and extenders. Pigments should also meet ASTM C979-82.

1.05 PRODUCT DELIVERY

- _____ A. Deliver concrete color to job site in sealed unit bags. Identify each package with material name and product number as manufactured by Solomon Colors.
- _____ B. Deliver concrete to the job site with color mixed in the truck from the ready mix plant using dry pigment manufactured by Solomon Colors.
- _____ C. Deliver concrete to the job site with color mixed in the truck from the ready mix plant using Solomon ColorFlo™ Liquid Colors and ColorSelect™ PC Liquid Dispensing System.

PART 2, PRODUCTS

2.01 MATERIALS

1. INTEGRAL COLORS

Use the "Solomon Colors Dry Pigment Ready Mix Color Card" color chart for selection of integral colors. Use Solomon Colors "ColorFlo™ Liquid Color Card" for selection of integral colors.

2. DRY SHAKE COLORS

Use the "Solomon Colors for Ready Mix Dry Shake Colored Hardener Color Card" for selection of colored surface hardeners.

PART 3, EXECUTION

3.01 MIXING shall conform to ASTM C 94:

- A. Portland cement ASTM C 150.
- B. Course and fine aggregate ASTM C 33.
- C. **Admixtures:** The use of admixtures must be approved by the Architect.
- D. Provide colored concrete with a compression strength of _____ psi. The proportion of normal weight concrete will be in accordance with ACI-301 standards.
- E. **Integral Mix:** Mix color pigment in designated mix at the rate of _____ pounds per yard, not to exceed 10% of the weight of the cementitious material.
- F. **Slump shall be** maintained at a 4" slump or less throughout the entire job. Addition of water reducers and plasticizers are acceptable to improve the placing of concrete.
- G. **Dust-on Color Application:** Use Solomon colored or pre-blended Dry Shake Hardener product. After screeding to the proper level, broadcast the Dry Shake lightly in both directions. A second application of color and floating may be necessary to obtain a uniform colored surface. After the final floating, the desired broom, troweled or imprinted finishing steps can be completed.
- H. **Curing:** In locations where humidity is low and temperatures are high, a curing compound needs to be applied while the concrete is still damp but not wet and hard enough to resist scuffing if a finisher is walking on the concrete while applying curing compound. In locations that have high humidity and low temperatures, a curing compound may trap moisture between the concrete and the curing compound, causing the surface to become cloudy. In these conditions, letting the concrete cure naturally may be best. Be careful to keep traffic off the decorative concrete to protect it from damage. After 24 hours, it is recommended that the concrete be cleaned before applying any type of curing compound or sealer. The use of burlap, plastic sheeting or fogging with water are not recommended for curing.

LRM4 07/04



E::	P::	S::
Equipment	Products	Solomon