

**SECTION 03 62 00  
NON-SHRINK GROUT**

**PART 1 - GENERAL**

**1.01 RELATED SECTIONS**

- A. Division 1 Sections

**1.02 REFERENCES**

ACI 351.4-14 – Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases.

ASTM C1107 – Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-shrink).

ASTM C109 – Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens).

**1.03 REFERENCE STANDARDS**

All work related to Non-Shrink Grout shall conform to all requirements of ACI 351.4-14, "Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases," published by the American Concrete Institute, Fannington Hills, Michigan, except as modified by these Contract Documents.

**1.04 QUALITY ASSURANCE**

- A. Refer to the Structural Quality Assurance Plan in the Structural Drawings.

**1.05 SUBMITTALS**

- A. Refer to Structural Quality Assurance Plan in the Structural Drawings for additional submittal requirements.

**PART 2 - PRODUCTS**

**2.01 GROUT**

- A. Flowable, non-shrink, non-metallic, packaged hydraulic cement grout that conforms to ASTM C1107.
- B. Compressive Strength: 6,000 psi minimum at 28 days.

**2.02 WATER**

- A. Water: Clean, potable water.

**PART 3 - EXECUTION**

**3.01 HANDLING**

- A. Store and protect from moisture and contamination.

**3.02 PREPARATION**

- A. Remove foreign materials including mud and dirt from areas to be grouted.
- B. Use forms to contain grout. Forms shall be set at a distance from the edge of the baseplate on all sides equal to at least the thickness of the grout bed, and no less 1.5-in.

**3.03 MIXING**

- A. Mix grout to its fluid, self-leveling consistency in accordance with manufacturer's recommendations. Mix grout in a paddle-type mortar mixer; do not mix by hand.
- B. Mixing of grout, surface preparation of concrete substrate, placement, thermal control, and curing of grout shall conform to the manufacturer's instructions.
- C. Do not re-temper grout. Do not exceed manufacturer's maximum limit on water content or use at a consistency that produces free bleeding.

**3.04 PLACEMENT**

- A. Consolidate to provide grout uniformity. Do not vibrate grout.
- B. Mix grout to its fluid, self-leveling consistency, and place under base plate in a flowable state.

**3.05 PROTECTION**

- A. Protect grout and areas to be grouted from excessive heat and cold in accordance with manufacturer's Specifications. Protect grout from excessive drying shrinkage resulting from wind or direct sunlight. Protect areas grouted from excessive vibrations.

**END OF SECTION**