

## SECTION 036200 - NON-SHRINK GROUT

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Section includes non-shrink grout under base plates, bearing plates, and where specified in Contract Documents.

#### 1.2 RELATED SECTIONS

- A. Section 013330 - Structural Submittals.
- B. Section 014525 - Structural Testing/Inspection Agency Services.

#### 1.3 REFERENCES

- A. ASTM C1107 – Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink).
- B. ASTM C109 - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens).

#### 1.4 QUALITY ASSURANCE

- A. Structural Testing/Inspection Agency shall perform the following quality related items:
  - 1. Perform compressive strength tests in accordance with ASTM C109 with 2-inch x 2-inch cubes. Test one cube at three days, two cubes at seven days and three cubes at 28 days. Perform one test for each ten bags of grout used or one test in accordance with day of grouting.

#### 1.5 SUBMITTALS

- A. Submit product data sheets for review.

### PART 2 - PRODUCTS

#### 2.1 GROUT

- A. Provide a non-shrink, non-metallic grout that complies with ASTM C1107.
- B. Grout shall have a minimum compressive strength of 5000 psi at 28 days.

#### 2.2 WATER

- A. Provide clean, potable water.

## PART 3 - EXECUTION

### 3.1 HANDLING

- A. Store and protect non-shrink grout from moisture and contamination.

### 3.2 PREPARATION

- A. Remove mud, dirt and other foreign materials from areas to be grouted.

### 3.3 MIXING

- A. Mix grout to its fluid, self-leveling consistency in accordance with manufacturers recommendations. Do not retemper grout. Do not exceed manufacturer's maximum limit on water content or use at a consistency which produces free bleeding. Mix grout in a paddle-type mortar mixer. Do not mix by hand.

### 3.4 PLACEMENT

- A. Consolidate grout to provide uniformity. Do not vibrate grout.
- B. Use forms to contain grout.

### 3.5 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 for three days.

END OF SECTION 036200