Non-Shrink Grout, Item SPV.0025.xx.

**A Description**

This special provision describes furnishing and placing non-shrink grout.

**B Material**

Furnish a quick-setting, rapid strength gain, and high-bond strength non-shrink grout. Grout shall not contain calcium chloride or admixture containing calcium chloride or other ingredient in sufficient quantity to cause corrosion to steel reinforcement. Mix grout just prior to use according to the manufacturer’s instructions. Follow manufacturer’s recommendation for dosage of corrosion inhibitor admixture.

Use structural non-shrink grout that meets a minimum compressive strength of 4,000 psi within 24 hours when tested as specified in AASHTO T 106. Meet all the requirements of AASHTO T 160 with the exception that the contractor-supplied cube molds will remain intact with a top firmly attached throughout the curing period. Use structural non-shrink grout with no expansion after seven days. Refer to Table 1 for structural non-shrink grout requirements.

**Table 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Structural Non-Shrink Grout** | | | |
| \*Properties | Requirements | ASTM | AASHTO |
| Accelerated Weathering | As Specified in  ASTM or AASHTO | C 666 | T 260 |
| Compressive Strength | >5,000 psi @ 28 days |  | T 106 |
| Accepted Bond Strengths | >1,000 psi @ 24 Hours | C 882 |  |
| Test Medium | <3% White Utah Road Salt |  | T 161 |
| Accepted Weight Loss | <15% @ 300 Cycles |  | T 161 |
| Length Change | No expansion after 7 days |  | T 160 |

\*Certified test results from a private AASHTO accredited testing laboratory will suffice for acceptance.

**C Construction**

Place Non-Shrink Grout conforming to standard spec 501 and standard spec 502, and as shown in the plans.

**D Measurement**

The department will measure Non-Shrink Grout by the Cubic Foot acceptably completed.

**E Payment**

The department will pay for measured quantities at the contract unit price under the following bid item:

|  |  |  |
| --- | --- | --- |
| **ITEM NUMBER** | **DESCRIPTION** | **UNIT** |
| SPV.0025.xx | Non-Shrink Grout | CF |

Payment for Non-Shrink Grout is full compensation for providing all materials; placing, finishing, protecting and curing the Non-Shrink Grout.