**Wabo®Crete II**

Elastomeric Concrete

### for Bridge & Highway Applications

**A. General**

The work shall consist of furnishing and installing an elastomeric concrete material in accordance with the details shown on the plans and the requirements of the specifications.

# B. Product

Provide a field-mixed elastomeric concrete header material. The elastomeric concrete material shall be field mixed and consist of a two-component elastomer and pregraded aggregate mix.

# C. Component and Materials

The Contractor shall furnish a manufacturer’s certification that the materials proposed have been pre-tested and will meet the requirements as set forth in the specification.

1. Elastomeric Concrete

Material shall be an ambient cure, 100% solids, two-component polyurethane with pregraded aggregate mix exhibiting the physical properties listed in the tables below. When properly mixed and poured, the elastomeric concrete cures rapidly, flows and fills any voids, spalls or irregularities forming a monolithic unit.

Elastomeric cured binder and aggregate shall meet the following physical properties:

PHYSICAL PROPERTIES TEST METHOD REQUIREMENT

Compressive Strength ASTM D695 2200 psi min.

Resilience @ 5% deflection ASTM D695 90% min

Slant Shear Bond Strength 250 psi min.

to concrete

Impact Resistance ASTM D3029

@ 32°F (0°C) no cracks

@ -20°F (-29°C) no cracks

@158°F (70°C) no cracks

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1. Bonding Agent

Provide manufacturers two component, 100% solids bonding agent. Apply bonding agent to the sides and base of the preformed concrete blockout prior to placement of the elastomeric concrete. Store, mix and apply in accordance with manufacturer’s system data sheet.

Liquid components shall be identified by the following information:

Part A – Resin Color: Clear

Part B – Activator Color: Tan

### D. Construction Requirements

The Contractor shall submit product information after the award of the contract. At the discretion of the Engineer, the manufacturer may be required to furnish a representative sample of material to be supplied in accordance with the project specifications.

The manufacturer shall provide instructions for the proper installation of the elastomeric concrete. Any patching materials must be approved prior to use from the manufacturer. Elastomeric concrete shall be installed at locations shown on the contract plans and in strict accordance with the manufacturers written instructions along with the advice of their qualified representative.

### E. Payment

The accepted quantity of elastomeric concrete will be paid for at the contract unit price per cubic foot. Payment will be made under:

PAY ITEM PAY UNIT

Elastomeric Concrete Cubic Foot

Payment will be full compensation for all work necessary to complete the items including furnishing and installing the elastomeric concrete, and any miscellaneous patching required.