

## **ITEM 18555.81 M - STRUCTURAL CRACK SEALING**

### **DESCRIPTION**

Seal non-critical cracks (about 2 to 10 mm in width) in portland cement concrete (abutments, piers, walls, etc.) by blast cleaning and injecting a silicone sealant into the dry crack. Perform the work at locations indicated on the Contract Plans or where ordered by the Engineer.

### **MATERIAL REQUIREMENTS**

Water

Silicone Joint Sealants

§712-01

Approved List

### **CONSTRUCTION DETAILS**

Clean the crack surface, and as deep into the crack as practical with water or abrasive blasting, to provide a clean, dry surface for bonding of the sealant.

If the crack is wet, allow the crack area to dry, or use oil-free air to blow the surfaces of the crack dry. Wait an additional drying day before injecting the sealant. If contamination occurs, repeat the cleaning and drying process.

Use a one component (hand-held cartridge type or similar) toolable sealant, color matched to the concrete, whose brand name appears on the Approved List. Inject the sealant into the dry crack to a minimum depth equal to the crack width, strike off flush with the adjacent surface, and clean up any excess.

Perform the work when the ambient air temperature is 5°C or greater.

### **METHOD OF MEASUREMENT**

The work will be measured as the number of linear meters of crack sealed.

### **BASIS OF PAYMENT**

Include the cost of all labor, materials and equipment necessary to complete the work in the unit price bid per linear meter.