

**ITEM 557.26----25 - CRACK SEALING USING HIGH MOLECULAR WEIGHT METHACRYLATE - FLOODING**

**1. DESCRIPTION:**

- 1.01 This work shall consist of furnishing and installing Crack Sealing Using High Molecular Weight Methacrylate in accordance with the contract documents and as directed by the Engineer.

**2. MATERIALS:**

- 2.01 The high molecular weight methacrylate (HMWM) resin shall be low viscosity and non-fuming. Acceptance is based on the manufacturer certifying that it conforms to the following, and the forwarding of the certification to the ~~Authority~~EngineerDCES.



- 2.02 The container shall include the following information: The name of the manufacturer, the brand name of the product, the date of manufacture.

- 2.03 Sand - The sand shall be commercial quality dry blast sand. [redacted] of the sand shall pass the [redacted].

**3. CONSTRUCTION DETAILS:**

- 3.01 Abrasive blast clean the area to be treated, removing all contaminants from the surface. Clean all surfaces and cracks using compressed air which is free of oil and moisture.
- 3.02 Do not apply sealers if rain is expected within 12 hours of completion. Apply sealers to clean, dry surfaces when the surface temperature is at least ~~50+0° F~~ 50+0° F, and if near ~~50+0° F~~ 50+0° F, rising. The sealer shall be mixed and applied according to the manufacturer's instructions and no more than ~~5 gallons/49 liters~~ 5 gallons/49 liters at a time. Sweep, pour, squeegee, or spray the area to receive the sealers, allowing the sealers to flow into the cracks. If the manufacturer does not recommend an application rate, use ~~80 to 105 square feet per gallon/4.9 to 2.6 meters square per liter~~ 80 to 105 square feet per gallon/4.9 to 2.6 meters square per liter, as needed.
- 3.03 After the resin has been applied, at least 20 minutes shall elapse before applying the sand. The sand shall be broadcast at a rate of approximately ~~1.8 pounds one kilogram~~ 1.8 pounds one kilogram per square ~~yard-meter~~ yard-meter, completely covering the sealer. The sealer must be tack-free before traffic is permitted to resume.

**4. METHOD OF MEASUREMENT:**

- 4.01 This work will be measured as the number of square ~~feet~~meters of Crack Sealing Using High Molecular Weight Methacrylate satisfactorily furnished and installed.

**5. BASIS OF PAYMENT:**

- 5.01 The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.