**Description.**

This work consists of installing a textured, high friction surface treatment known as ‘TRAFFICGRIP’ in areas designated and detailed on the plans as supplied by Traffic Calming USA with the website: [www.trafficcalmingusa.com](http://www.trafficcalmingusa.com). Address: 317A Northpoint Parkway, Acworth, GA. 30102. Phone: 770 505 4044

**Materials.**

The materials used for the high friction surface treatment shall consist of a two-part binder and a hard, durable aggregate finish.

**Binder.**

The binder shall be a two-part cold applied modified exothermic epoxy resin treatment. The binder shall consist of a thermosetting compound which holds the aggregate firmly in position.

**Aggregate.**

The aggregate shall be crushed Bauxite. The aggregate will be delivered to the construction site in clearly labeled bags or sacks. The aggregate shall be clean, dry and free from foreign matter.

**Construction Methods.**

The application shall be in accordance with the manufacturer’s recommendations.

**The two-part modified epoxy binder material shall not be applied on a wet surface, when the ground/surface temperature is below 40oF or above 105oF.**

Existing surfaces shall be cleaned by use of mechanical sweepers, high pressure air or other methods approved by the Engineer prior to the installation. Concrete surfaces shall be scarified to create a rough textured surface if smooth or less than 20 FNR 40 friction value. Receiving surfaces must be clean, dry and free of all dust, oil, debris and any other material that might interfere with the bond between the epoxy binder material and existing surfaces.

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**Application of the Binder.**

The epoxy (Part A) and the Amine Hardener (Part B) are proportioned one to one ratio The two-part modified epoxy binder components shall be proportioned to the correct ratio, and mixed using a trailer mounted application machine Once mixed the epoxy binder shall be applied onto the asphalt or concrete and uniformly spread by means serrated-edged squeegees.

The in-place thickness of the mixed epoxy shall be approximately 60-80 mils above the pavement surface. For irregular surfaces, the application rate may be adjusted, as determined by the manufacturer's representative.

**Application of the Aggregate.**

The dry aggregate shall be immediately applied onto the epoxy binder prior to the epoxy binder reaching its gel time coverage. Application of the stone aggregate is achieved by vertical drop stone applicators. Complete coverage of the "wet" epoxy binder with aggregate is necessary to achieve a uniform surface. No exposed wet spots shall be visible once the aggregate is placed.

**Curing**

The treatment shall be allowed to cure typically approximately three hours at an ambient temperature of 75oF and rising. Excess aggregate shall be removed by mechanical sweeping, or suction sweeping before opening to traffic. The treated surfaces shall be protected from traffic and environmental effects until the area has cured.

**Method of Measurement**.

Measured by the square feet, complete in place and accepted.

**Basis of Payment.** High friction surface treatment, measured as prescribed above, will be paid for at the contract unit price bid per square feet, which price shall be full compensation for furnishing all equipment, tools, labor, materials, and for all pertinent operations necessary to complete the work

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