

ITEM 559.1596----25 – SOLID COLOR PROTECTIVE SEALER FOR CONCRETE

1. DESCRIPTION:

- 1.01 Under this item, the Contractor shall furnish and place a solid color type protective sealer for concrete on surfaces shown on the plans or as directed by the Engineer. The color and/or type of sealer will be specified in the contract plans.

2. MATERIALS:

- 2.01 The protective sealer for concrete shall conform to the NYSDOT Standard Material specification 717-04 and be chosen from the NYSDOT approved list or as specified in the Contract documents.

3. CONSTRUCTION DETAILS:

- 3.01 Material shall be applied as per manufacturer's recommendations. At a minimum, the Manufacturer's recommendations shall meet the following:

- 3.02 Concrete surfaces can be coated immediately after concrete cure, with a 28 day minimum time after the pour.

Thoroughly clean and flush all new and existing concrete surfaces to be sealed as noted in the plans to be free of any efflorescence, laitance, grease, form release oils, or any other bond-inhibiting matter. **All existing surfaces** to be sealed shall receive a minimum 5,000 psi high pressure wash prior to sealing. If bond-inhibiting contaminants cannot be removed by clean and flush methods, sandblasting may be required.

Properly mask any surfaces not specified to be coated with similar materials, to protect from potential over splatter or spillage.

- 3.03 Apply materials in a continuous operation, over all surfaces to be treated. Schedule work so that the stopping point each day falls at an opening or corner.
- 3.04 Uniformly apply protective coating by a minimum of two (2) coats. The first and second coats are to be applied at the rates of cover and temperature limitations as recommended by the manufacturer.
- 3.05 Apply coatings by spray, brush, or roller. When applied by roller, use a first-quality 12" to 18" width long nap roller for rough surfaces and a shorter nap roller for smooth surfaces. Allow the first coat to dry a minimum of two hours prior to second coat applications.

4. METHOD OF MEASUREMENT

- 4.01 The quantity to be paid for will be the actual number of square feet of surface area measured in place in the completed work.

5. BASIS OF PAYMENT

- 5.01 The unit price bid per square foot shall include the cost of furnishing all labor, materials and equipment necessary, including sandblasting, to complete the work in accordance with the sealer manufacturer's recommendations.