

DESCRIPTION

This work shall consist of furnishing and installing PROTECTIVE SEALING OF MASONRY in accordance with the contract documents and as directed by the Engineer.

MATERIALS

The protective sealer used on masonry surfaces shall be one:

- appearing on the Department's Approved List;
- is applicable to masonry surfaces;
- and, shall meet the requirements of the following subsection:

717-03 - Penetrating Type Protective Sealers.

CONSTRUCTION DETAILS

The Contractor shall provide the Engineer with the sealer Manufacturer's written instructions for application and use, at least five (5) working days before the start of work. Only one (1) brand and specific type of sealer will be allowed for use on each individual element of a project (i.e. each pier, deck, abutment, etc.).

Surface Preparation.

Surface preparation shall be carried out in compliance with the Manufacturer's instructions. All surface preparation work shall be completed and approved by the Engineer, before sealer application can commence.

Weather Limitations.

Apply sealer only after the surface has dried for 12 or more hours and, if in the opinion of the Engineer, adverse weather conditions are anticipated within twelve (12) hours of the completion of sealer application. Ambient and surface temperatures shall be a minimum of 5 degrees C during application and until the sealed concrete is dry to the touch. Application by spray methods will not be permitted during windy conditions, if in the opinion of the Engineer unsatisfactory results will be obtained.

Sealer Application.

Thorough mixing of the sealer before and during its use shall be accomplished as recommended by the Manufacturer. Equipment for sealer application shall be clean of foreign materials and approved by the Engineer before use.

When a penetrating sealer is used, a minimum of two (2) coats of the sealer shall be applied to achieve uniform coverage. The total quantity of sealer applied by all coats shall be equal to the quantity required at the application rate specified in the Approved List. The second and each additional coat shall be applied perpendicular to the previous coat. Care shall be taken when applying each coat, such that running or puddling does not occur. Each coat shall be allowed to dry for a minimum of two (2) hours before the next coat is applied. The final coat shall be allowed to dry according to the manufacturer's instructions, before the removal of maintenance and protection of traffic.

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On sloping and vertical masonry surfaces, sealer application shall progress from bottom to top. Care shall be taken to ensure that the entire surface of the masonry is covered and all pores filled.

METHOD OF MEASUREMENT

This work will be measured as the number of square meters of PROTECTIVE SEALING OF MASONRY satisfactorily furnished and installed.

BASIS OF PAYMENT

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