Bid Specifications-2025

For Poly Fiber Flex Patch with Precoated Stone and Blower Application

Precoated Aggregate - Specification and Process for Production, Application with Flex Patch

Precoat aggregate based on specifications listed below:

Field precoating of aggregate shall not be allowed.

Precoat aggregate using hot mix asphalt plant mixing method. Mixing plant must be drum type with capability to heat aggregate and bitumen to required temperatures to achieve required results. Equipment and procedure used for precoating must ensure that the bitumen is uniformly applied to aggregate.

Aggregate shall be heated and dried to bitumen application in plant to eliminate moisture and dust prior to precoating. Aggregate is to be clean and dry prior to bitumen application. Use of adhesion agents is not allowed.

Asphalt binders for precoating aggregates shall be asphalt cement (AC). The target value of precoating material typically varies from 0.80 to 1.50 percent (by weight), of residual binder on the aggregate. Provide aggregate with a uniform coating of bitumen for use.

Precoat Aggregate Price Reduction Schedule

% of AC Binder (By Weight)*2	
0.60% to 0.79%	
Less Than 0.60%	Reject Aggregate *1

Table 1: Precoated Aggregate Price Reduction Schedule

1. Aggregate must be recoated for use for Flex Patch. The cost of recoating aggregate shall be incidental to Flex Patch.

2. The percent of AC binder by weight shall be determined by chemical extraction. Precoating of aggregate must be completed and stockpiled minimum of two weeks in advance of preforming work.

Apply Precoat aggregate based on specifications listed below:

Application of precoated aggregate is to be by forced mechanical air system.

Hand casting, shoveling, or other application of precoated aggregate is not allowed.

Apply precoated aggregate immediately after application of fiberized crack filler. Apply aggregate to achieve a smooth, uniform finish.

Payment for precoated aggregate and application of precoated aggregate is incidental to Item Flex Patch.

CLEANING AND PREPARING CRACKS OR JOINTS:

Immediately prior to application of sealant, all cracks and joints shall be cleaned of debris and dust.

Routing:

When performing cutting or routing operations equipment must be fit with a dust suppression system capable of meeting the Occupational Safety and Health Administration (OSHA), Respirable Crystalline Silica construction standard, 29 CFR § 1926.1153. The dust suppression system must be attached to the routers/cutters directly to avoid any leakage of dust. The debris path created shall be confined to a windrow of approximately 8 inches (20.3 cm) for easy clean-up. Routed surfaces of cracks are subject to acceptance or rejection at the Engineer's discretion.
Any contractor not following these guidelines will be stopped from doing any further work until the requirement is met. No compensation for lost time due to the enforcement of these guidelines will be granted.

Payment:

Payment for accepted pavement crack routing, sealing, and dust control/reduction will be at the contracted unit prices. Payment shall be full compensation for furnishing all labor, materials, equipment, tools, and incidentals used for dust control, surface preparation, placement of materials, and cleanup.

Weather Limitations:

Sealant materials shall only be placed during a period of rising temperature after the air and surface temperature in the shade and away from artificial heat sources has reached 40°F., and indications are for a continued rise in temperature. During a period of falling temperatures, which may fall below 40°F., placement of the sealant material shall be suspended until the above conditions are met.

Note:

1. On Parking Lots, use stone ***only*** where needed on larger cracks.
2. On roads, ***only*** large, deep cracks ***shall*** be flex patched.
3. Flex Patch shall be completed before scrub and fog seal.