

PineBind - Tall Oil Pitch Emulsion – Pinebind Topical Stabilization Specification

PineBind



I. PREPARATION OF SURFACE – TOPICAL APPLICATION – Native Materials

- a. Prior to the application of Pinebind, the area to be treated shall be final graded and approved by Owner.
- b. Prior to the application of Pinebind, the area to be treated shall be compacted.
- c. All areas to receive Pinebind shall be uniformly moistened.
 - i. Moisture must be maintained on the surface until the time of the application. Pinebind shall not be applied when the surface is excessively wet or saturated.

II. PRODUCTS

a. EMULSION

- i. Crude Tall Oil emulsion Pinebind produced from distilled tall oil from the processing of pulp and paper not associated with the use of chlorine-based chemical to bleach pulp for the production of white paper, contains a minimum 30% solids formulation, formulated with a cationic emulsifying agent specifically for use as a soil stabilizer, non-water soluble, non-hazardous, non-toxic, and ecologically safe.
- ii. Manufactured by National Land Management, LLC, PO Box 12693, Chandler, AZ 85248 1-877-300-3878 or www.nationallandmgt.com.

III. APPLICATION

- a. The application of the Pinebind shall be .09 to .25 gallons per square yard. This application rate is variable and shall be appropriate for the local soil and weather conditions, as proposed by the Contractor.
- b. Pinebind shall be applied by a pressure type distributor truck. Spray bars and extensions shall be of the full circulating type. Valves that control the flow from nozzles shall be of a positive active design so as to provide a uniform, unbroken spread of Pinebind on the surface.
- c. Pinebind may be applied in multiple passes at reduced application rates to meet the total application rate specified and/or assure uniform coverage. For traffic areas, National Land Management suggests multiple coats of 5:1 or 6% solids dilution to achieve desired application rate. This is often followed by a heavy wearing layer of either 3:1 10% solids or 2:1 or 12% solids.



- a. Pinebind curing time is based on (1) ambient temperature, (2) relative humidity, and (3) material(s) to which it is being applied. As a rule, no equipment or vehicular traffic should be permitted on the treated surface for 24 hours unless otherwise approved by Engineer.

V. WEATHER CONDITIONS

- a. Pinebind shall be applied only when the ambient temperature is above 40°F.
- b. Application during high wind should be avoided due to potential drift and irregular disbursement of the product.
- c. Pinebind should not be installed when weather does not permit 24-48 hours of “dry” time prior to a rain event.