

SECTION 02281

SOIL TREATMENT FOR TERMITE CONTROL

1. **GENERAL:**
 - 1.1 All work included under this heading shall be subject to the General Conditions of the entire operation. This Contractor is required to refer especially thereto.
2. **SUBMITTALS:**

Product Data: Submit per Section 01300.
3. **REQUIREMENTS OF APPLICATOR:**

Registration and license: Applicator shall be registered in accordance with state and local regulations.
4. **PRODUCTS:**
 - 4.1 **MATERIALS:**
 - 4.1.1 **Chemicals:** One of the following chemicals shall be used in the concentration in water emulsion listed:
 - a. Chloropyrifos "Dursban TC" - One percent.
 - b. "Pryfon 6", Mobay Corp., Kansas City, Missouri (800-842-8020).
 - c. Permethrin "Dragnet", Torpedo 0.5 percent.
 - d. "Tribute", by Velsicol.
 - e. Or equal, approved by the Architect.
 - 4.1.2 **Containers:** Soil treatment agents shall be delivered to project site in sealed and labeled containers as supplied by Manufacturer or Formulator. Labels shall bear Manufacturer warning to be observed in handling and use of the material.
 - 4.1.3 **Labels:** Use only termiticides which bear a Federal registration number of the U.S. Environmental Protection Agency.
5. **EXECUTION:**
 - 5.1 **APPLICATION:**
 - 5.1.1 **Soil Treatment Material:** Place prior to placing cushion under concrete floor slabs.
 - 5.1.2 **Soil Treatment:** Apply uniformly and as listed in the following paragraphs:
 - 5.1.3 **Quantity (Minimums):**
 - 5.1.3.1 Along inside of Foundation Walls: 4 gal/10 liner ft.
 - 5.1.3.2 Along outside perimeter of the Foundation: 4 gals/10 linear ft for each foot of depth from finish grade to top of footing.
 - 5.1.3.3 Around utility service, expansion joints or other features that will penetrate the slab: 4 gals/10 linear ft.
 - 5.1.4 **Under concrete slabs:** One gal/10 sq ft as an overall treatment, except use 1-1/2 gals/10 sq ft for gravel fill.
 - 5.1.4.1 Exterior slabs: Extend treatment to a point, 3 feet out from building.
 - 5.1.5 **Soil Poisoning:** Do not begin until preparation of subgrade is ready for sand cushion and vapor barrier.
 - 5.1.6 Do not apply soil poisons when soil is excessively wet.

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- 5.1.7 Slabs without vapor barrier: To prevent capillary absorption by fresh concrete at least 12 hours shall elapse between soil poisoning.
- 5.1.8 Along exterior side of exterior walls: Dig trench 6 inches to 8 inches wide, not less than 12 inches deep. Punch holes to top of footing at not more than 12 inches OC and apply solution. Mix solution with soil as is being placed in trench. Other methods may be used if approved by the Architect.
- 5.1.9 Reapply soil treatment to areas disturbed by subsequent excavation or other construction activities following application.
- 5.2 PROTECTION:
 - 5.2.1 Signs: Post in areas of application, warning workers that soil poisoning has been applied.
 - 5.2.2 **Schedule all soil deadening when employees are not in the area.** Every precaution shall be taken to minimize exposure to chemicals.

End of Section 02281