

## **DIVISION 2 – SITEWORK**

### **SECTION 02282**

#### **TERMITE CONTROL**

##### **PART 1 GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Soil Treatment for termite control.

##### **1.2 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

##### **1.3 SUMMARY OF WORK**

- A. Provide soil treatment under each building for termite control, as herein specified.

##### **1.4 SUBMITTALS**

- A. Product data: Submit manufacturer's technical data and application instructions. Submit Manufacturer's Material Safety Data Sheet (MSDS), Sample Label and other application instructions.

##### **1.5 QUALITY ASSURANCE**

- A. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work, including preparation of substrate and application.
- B. Engage a professional pest control operator, licensed in accordance with regulations of governing authorities for application of soil treatment solution.
- C. Use only termiticide that bear a Federal registration number of the U.S. Environmental Protection Agency.

##### **1.6 JOB CONDITIONS**

- A. Restrictions: Do not apply soil treatment solution until excavating, filling, and grading operations are completed, except as otherwise required in construction operations.
- B. To insure penetration, do not apply soil treatment to frozen or excessively wet soils or during inclement weather. Comply with handling an application instruction of the soil toxicant manufacturer.

##### **1.7 SPECIFIC PRODUCT WARRANTY**

- A. Furnish written warranty certifying that applied soil termiticide treatment will prevent infestation of subterranean termites and, that if subterranean termite activity is discovered during warranty period, Contractor will re-treat soil and repair or replace damage caused by termite infestation.
- B. Provide warranty for a period of five (5) years from date of treatment, signed by Applicator and Contractor.

- C. Upon completion of the work, and as a condition of its acceptance, deliver to the Architect two copies of a Warranty signed by an authorized representative of the installing Subcontractor and co-signed by the Contractor, agreeing:
1. To make an inspection of the work once each year for a total period of five (5) years following Date of Substantial Completion for the purpose of detecting termite infestation,
  2. If termite infestation is found during that five (5) year period, to retreat in accordance with prevailing practices of the trade and within ten (10) calendar days after such infestation is discovered.
  3. To repair damage to the Work caused by subterranean termites during that five (5) year period, to a maximum cost of \$5,000.00.
  4. To make sure inspections, retreatment and repairs at no additional cost to the Owner.

## PART 2 - PRODUCTS

### 2.1 SOIL TREATMENT SOLUTION

- A. Use an emulsible, concentrated termiticide for dilutes with water specially formulated to prevent infestation by termites. Fuel oil will not be permitted as a diluent. Provide a solution consisting of one of following chemical elements and concentrations:
1. "Demon" 0.6% percent in water emulsion..
  2. Permethrin ("Dragnet", "Torpedo"); 0.5 percent in water emulsion.
  3. Premise 75
- B. Other solutions may be used as recommended by Applicator if also acceptable to Architect and prior approved for intended application by both Architect and jurisdiction authorities and meeting the same solution requirements of the chemical elements and concentrations. Use only soil treatment solutions, which are not injurious to planting.

## PART 3 - EXECUTION

### 3.1 EXTENT

- A. Provide termite treatment at all new slabs on grade, foundations, expansion joints, etc. and at all excavations to facilitate waterproofing work.

### 3.2 APPLICATION

- A. Surface Preparation: Remove foreign matter, which could decrease effectiveness of treatment on areas to be treated. Loosen, rake, and level soil to be treated, except previously compacted areas under slabs and foundations. Toxicants may be applied before placement of compacted fill under slabs if recommended by toxicant manufacturer.
- B. Application Rates: Apply soil treatment solutions as follows:
1. Under slab-on-grade structures, treat soil before concrete slabs are placed using the following rates of application:
    - a. Apply 4 gallons of chemical solution per 10 linear feet to soil in critical areas under slab, including entire inside perimeter of foundation walls, along both sides of interior partition walls, around plumbing pipes and electric conduit penetrating slab, and around interior column footers.
    - b. Apply 1 gallon of chemical solution per 10 sq. ft. as an overall treatment under slab and attached slab areas where fill is soil or unwashed gravel. Apply 1 1/2 gallons of chemical solution to areas where fill is washed gravel or other coarse absorbent material.
    - c. Apply 4 gallons of chemical solution per 10 linear feet of trench for each foot of depth from grade to footing, along outside edge of building. Dig a trench 6 to 8 inches wide along outside of foundation to a

depth of not less than 12 inches. Punch holes to top of footing at not more than 12 inches o.c. and apply chemical solution. Mix chemical solution with the soil as it is being replaced in the trench.

- C. At expansion joints, control joints, and areas where slabs will be penetrated, apply at rate of 4 gallons per 10 linear feet of penetration.
- D. Post signs in areas of application to warn workers that soil termiticide treatment has been applied. Remove signs after areas are covered by other construction.
- E. Reapply soil treatment solution to areas disturbed by subsequent excavation, landscape grading, or other construction activities following application.

### 3.3 FOLLOW-UP TREATMENT

- A. Return to treatment site within 12 months of initial treatment and apply an exterior barrier as required by Louisiana Structural Pest Control Commission.
- B. Exterior follow-up barrier shall be accomplished with the same type compounds used on the original horizontal barrier

END OF SECTION - 02282