

SECTION 31 31 16  
TERMITE CONTROL

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide soil treatment for termite control at all concrete slabs and foundations to be developed into occupied areas of the building(s).

1.02 RELATED WORK

- A. SUMMARY OF WORK: Section 01 11 00:
  - 1. Refer to “PART 2 – PRODUCTS” for all Buy America Build America Act (BABA) Requirements CAST-IN-PLACE CONCRETE: Section 03 30 00.
- B. UNDER-SLAB VAPOR BARRIER: Section 07 26 16.

1.03 QUALITY ASSURANCE

- A. Applicator's Qualifications: Engage a professional pest control operator, licensed in the State of Florida accordance with regulations of governing authorities for application of soil treatment solution.
- B. In addition to requirements of this Specification, comply with manufacturer's published instructions and current recommendations for the Work, including preparation of substrate and application.

1.04 SUBMITTALS

- A. Product Data: Submit the following:
  - 1. Manufacturer's technical data, complete with written substrate preparation and soil treatment application instructions. Include EPA-Registered Label.
  - 2. Material Safety Data Sheets (MSDS).
- B. Applicator's Qualifications: Submit the following:
  - 1. Documented evidence of applicator's qualifications.
  - 2. A copy of the applicator's current state license.
- C. Warranty: Submit a current specimen copy of the specified warranty.

1.05 PROJECT CONDITIONS

- A. Application Restrictions: Comply with the following:
  - 1. Do not apply soil treatment solution until excavating, filling and grading operations are completed, except as otherwise required in construction operations.

2. To ensure penetration, do not apply soil treatment to excessively wet soils or during inclement weather. Comply with handling and application instructions of the soil toxicant manufacturer.

#### 1.06 WARRANTY

- A. Special Project Warranty: Provide a written warranty, signed by both the applicator and Contractor, certifying that applied soil 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.

1. Warranty Duration: Five (5) years from the date of treatment.

#### PART 2 - PRODUCTS

##### 2.01 SOIL TREATMENT SOLUTION

- A. General: Provide an EPA-Registered emulsible, concentrated termiticide that dilutes with water, specially formulated to prevent termite infestation. Fuel oil will not be permitted as a diluent.

1. Dilute with water to concentration level compliant with manufacturer's written instructions.
2. Use only soil treatment solutions that are not injurious to plants.

- B. Products: Provide one of the following products:

1. "Dragnet FT" permethrine; FMC Corp.
2. "Prevail FT" cypermethrine; FMC Corp.
3. "Demon TC" cypermethrine; Zeneca Professional Products.
4. "Prelude" permethrine; Zeneca Professional Products.

#### PART 3 - PART 3 - EXECUTION

##### 3.01 SOIL TREATMENT CRITERIA

- A. A permanent sign which identifies the soil treatment applicator and the need for re-inspection and treatment contract renewal shall be provided. The sign shall be posted near the electrical panel.
- B. Condensate and roof downspouts shall discharge at least 1'-0" away from the building side walls.
- C. Irrigation/sprinkler system including all risers and spray heads shall not be installed within 1'-0" of the building's side walls.
- D. To provide for inspection for termite infestation, between wall coverings and final earth grade shall not be less than 6-inches.

- E. Initial treatment shall be performed after all excavation and backfill is complete.
- F. Soil distribution after the initial treatment shall be retreated including spaces boxed or formed.
- G. Boxed areas in concrete floors for subsequent installation of traps, etc., shall be made with permanent metal or plastic forms. Permanent forms shall be of a size and depth that will eliminate the disturbance of soil after the initial treatment.
- H. A minimum 6-mil vapor barrier shall be installed to protect against rainfall dilution. If rainfall occurs before vapor barrier placement, re-treatment is required.
- I. Concrete over placement and mortar along the foundation perimeter shall be removed before application of soil treatment.
- J. Soil treatment shall be applied under all exterior concrete or grade within 1'-0" of the structural sidewalls.
- K. An exterior vertical chemical barrier shall be installed after construction is complete including landscaping and irrigation. All soil that is disturbed after the treatment barrier is applied shall be re-treated.
- L. A Certificate of Compliance shall be issued to the Building Owner by a Licensed Pest Control Company. The Certificate of Compliance shall state, "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA OWNER OF AGRICULTURE AND CONSUMER AFFAIRS."
- M. After all Work has been completed, loose wood and fill shall be removed from below and within 1'-0" of the building. This includes all grade stakes, tub trap boxes, forms, shoring or other cellulose containing material.
- N. No wood, vegetation, stumps, cardboard, trash, etc., shall be buried within 15'-0" of any building or proposed building.

### 3.02 APPLICATION

- A. Surface Preparation: Remove foreign matter that 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. Soil treatment solutions may be applied before placement of compacted fill under slabs, if recommended by soil treatment solution manufacturer.
- B. Application Rates: Apply soil treatment solution in accordance with termiticide label directions.
- C. Allow not less than 12 hours for drying after application, before beginning concrete placement or other construction activities.
- D. Post signs in areas of application warning workers that soil treatment solutions have been

applied. Remove signs when areas are covered by other construction.

- E. Re-apply soil treatment solution to areas disturbed by subsequent excavation or other construction activities following application.

END OF SECTION 31 31 16