

DIVISION 31 – EARTHWORK

SECTION 31 31 16 – TERMITE CONTROL

PART 1: GENERAL

1.01 Related Documents

- A. Provisions established within General and Supplementary Conditions of the Contract, Division 1 – General Requirements, and the Drawings are collectively applicable to this Section.

1.02 Section Includes

- A. Soil treatment below structural slabs and at foundation perimeter for subterranean insects.

1.03 Quality Assurance

- A. Applicator: Company specializing in soil treatment for termite control with 5 years documented experience.
- B. Materials: Provide certification that toxicants conform to specified requirements.
- C. Material Packaging: Manufacturer's labels and seals identifying content.

1.04 Regulatory Requirements

- A. Conform to applicable requirements of authorities having jurisdiction for application licensing and authority to use toxicant chemicals.

1.05 Submittals

- A. Submit product data and manufacturer's installation instruction under provisions of Section 013300.
- B. Indicate toxicants to be used, composition by percentage, dilution schedule, and intended application rate.

1.06 Warranty

- A. Provide 5 year warranty for material and installation under provisions of Section 017800.
- B. Warranty: Cover against invasion or propagation of subterranean termites, damage to building or building contents caused by termites, and repairs to building or building contents so caused.
- C. Inspect work annually and report in writing to Owner.
- D. Owner reserves right to renew warranty for an additional five (5) years after the initial five (5) year period.

PART 2: PRODUCTS

2.01 Manufacturers

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Termiticides:
 - a. Aventis Environmental Science USA LP; Termidor
 - b. Bayer Corporation; Premise 75
 - c. Dow AgroSciences LLC; Equity
 - d. FMC Corporation, Agricultural Products Group; Torpedo
 - e. Syngenta; Demon TC

2.02 Soil Treatment

- A. Termiticide: Provide an EPA-registered termiticide complying with requirements of authorities having jurisdiction, in an aqueous solution formulated to prevent termite infestation. Provide quantity required for application at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to product's EPA-Registered Label.

2.03 Mix Dilution

- A. Dilute toxicant chemical as recommended by manufacturer.

PART 3: EXECUTION

3.01 Inspection/preparation

- A. Verify the soil surfaces are unfrozen, sufficiently dry to absorb toxicant, ready to receive treatment.
- B. Beginning of application means acceptance of soil conditions.

3.02 Application

- A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's written instructions for EPA-Registered Label for products preparation before beginning application of termite control treatment. Remove all extraneous sources of wood cellulose and other edible materials such as wood debris, tree stumps and roots, stakes, formwork, and construction waste wood from soil within and around foundations.
- B. Verify the soil surfaces are unfrozen, sufficiently dry to absorb toxicant, ready to receive treatment.

- C. Beginning of application means acceptance of soil conditions.
- D. Apply Toxicant no more than 12 hours prior to installation of vapor barrier under mud slabs, structural slabs, slab-on-grade or finish grading outside foundation walls.
- E. Apply toxicant in accordance with manufacturer's instructions.
- F. Apply extra treatment to structure penetrations, pipe, ducts, expansion joints, and other soil penetrations.
- G. Apply as a coarse spray to ensure uniform distribution.
- H. Coordinate soil treatment at foundation perimeter with finish grading and landscaping work to avoid disturbance of treated soil. Retreat disturbed treated soil.
- I. Do not apply soil treatment solution until excavating, filing and grading operations are completed, except as otherwise required in construction operations. To insure penetration, do not apply soil treatment to excessively wet soils or during inclement weather.
- J. Post signs in the areas of application, warning workers that soil poisoning has been applied. Remove signs when areas are covered by other construction.

3.03 Retreatment

- A. If inspection identifies the presence of termites, retreat soil and retest.
- B. Use same toxicant as for original treatment.

END OF SECTION 31 31 16