

Item No. 281S
Termite Control

281S.1 Description

This item shall govern soil treatment below slabs-on-grade and at foundation perimeter for subterranean insects. The lines and grades shall not be disturbed without approval of the Engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

281S.2 Submittals

The submittal requirements shall include:

- A. A listing of each proposed application (i.e. slab on grade, foundation walls, utilities, etc.) of a toxicant chemical.
- B. Specific information for each chemical toxicant in the listing including:
 - 1. Manufacturer, product name and description of chemical composition,
 - 2. Handling, storage and mixing requirements,
 - 3. Application recommendations, retreatment procedures, and
 - 4. MSDS Sheets.
- C. Warning sign information including Description, legend and areas of application.

281S.3 Materials

A. Toxicant Chemical

The toxicant chemical shall be a water-based emulsion of uniform composition with a synthetic dye to permit visual identification of the treated soil.

B. Acceptable Products

- 1. Pryfon 6
- 2. Dursban TC
- 3. Tribute
- 4. Dragnet
- 5. Demon

The toxicant chemical shall be diluted with water to yield the manufacturer's recommended concentration.

281S.4 Construction Methods

A. Inspection

The inspection shall verify that the soil surfaces are not frozen, surface dry sufficiently to absorb toxicant and ready to receive the treatment.

B. Application

The user shall acquire and review the current Material Safety Data Sheet (MSDS), for warnings and precautions, and shall follow the directions in the use of the product and disposal of all containers after use. The user shall apply the toxicant chemical with a low-pressure spray (less than 50 p.s.i. [345 kPa]) consistent with the manufacturer's recommendations.

The diluted toxicant solution shall be applied using a metered applicator to the soil in the following locations at the rates recommended by the manufacturer:

1. Under floor slabs-on-grade
2. Both sides of foundation wall.
3. Soil within 10 feet (3 meters) of building perimeter for a depth of 1 foot (0.3 meter).
4. Expansion joints.
5. Utility entrances.
6. Critical locations such as where utilities pass through exterior walls and through floor slabs.

The diluted toxicant solution shall be applied immediately prior to installation of vapor barrier under slabs-on-grade or finish grading outside foundation walls.

Extra treatment shall be applied in a coarse spray to ensure uniform distribution to structure penetrations, pipe ducts and other soil penetrations. . Any treated soil that is disturbed shall be retreated.

C. Directions For Use

The user shall become fully informed of the recommended precautions in the handling and storage of the chemical toxicant, as well as the directions for use of the toxicant chemical as listed on the current MSDS and in conformance with the Uniform Fire Code, Article 86, Pesticide Storage and Display.

Signs warning workers that soil poisoning has been applied shall be posted in areas of application. The signs shall be removed once the areas are covered by other construction.

D. Retreatment

If inspection identifies the presence of termites, the soil shall be retreated and subsequently retested. The retreatment toxicant shall be the same as the original toxicant treatment.

281S.5 Measurement

Accepted work performed as prescribed by this item will be measured by the square foot (square meter: 1 square meter equals 10.764 square feet) of treated area for "Termite Control".

281S.6 Payment

The work performed as prescribed by this item will be paid for at the unit bid price per square foot of treated area for "Termite Control". The unit bid price shall include full compensation for furnishing chemicals and application of solution on the prepared subgrade.

Payment, when included as a pay item, will be made under:

Pay Item No. 281S-A: Termite Control Per Square Foot

End

<i>Related</i> CROSS REFERENCE MATERIALS
Standard Specification Item Number 281S, "Termite Control"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 410	Concrete Structures
Item No. 721	Steel Structures