
NAVFAC IGS-02361 (SEPTEMBER 2002)

Supercedes IGS-02361 (05/02)
Preparing Activity: LANTNAVFACENGCOM Based on UFGS-02361N

ITALIAN GUIDE SPECIFICATIONS

Use for ITALIAN projects only

SECTION 02361

SOIL TREATMENT FOR SUBTERRANEAN TERMITE CONTROL
09/02

NOTE: This guide specification is issued by the
Atlantic Division, Naval Facilities Engineering
Command for regional use in Italy.

NOTE: This guide specification covers soil
treatment for subterranean termite control before
construction (new construction) of buildings which
is commonly referred to as preconstruction treatment.

Comments and suggestion on this specification are
welcome and should be directed to the technical
proponent of the specification. A listing of the
technical proponents, including their organization
designation and telephone number, is on the Internet.

Use of electronic communication is encouraged.

Brackets are used in the text to indicate designer
choices or locations where text must be supplied by
the designer.

PART 1 GENERAL

1.1 REFERENCES

ITALIAN LAWS AND NORMS (D.M.)(LAW)(CIRC.)

NOTE: Italian laws and normatives are the
legislative regulations and decrees issued by the
Italian government in the form of laws, norms,
decrees, circulars, and letters. These Laws and
Decrees concur together with Norms and Standards

in forming the governing directives for construction.

1.2 SUBMITTALS

NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item is required.

A "G" following a submittal item indicates that the submittal requires Government approval. Some submittals are already marked with a "G". Only delete an existing "G" if the submittal item is not complex and can be reviewed through the Contractor's Quality Control system. Only add a "G" if the submittal is sufficiently important or complex in context of the project.

For submittals requiring Government approval on Army projects, a code of up to three characters within the submittal tags may be used following the "G" designation to indicate the approving authority. Recommended codes for Army projects are "RE" for Resident Engineer approval, "ED" for Engineering approval, and "AE" for Architect-Engineer approval. Codes following the "G" typically are not used for Navy projects.

Submittal items not designated with a "G" are considered as being for information only for Army projects and for Contractor Quality Control approval for Navy projects.

Submit the following in accordance with Section 01330, "Submittal Procedures."

SD-07 Certificates

Qualifications of pesticide applicators; G

Submit data as required in paragraph entitled "Qualifications of Pesticide Applicators," prior to commencement of work.

SD-08 Manufacturer's Instructions

Pesticides G

Submit a copy of manufacturer's label and Material Safety Data Sheet (MSDS).

SD-11 Closeout Submittals

Warranty

Application report

Submit documents signed by an officer of the Contractor.

1.3 QUALIFICATIONS OF PESTICIDE APPLICATORS

NOTE: The "ASL" (Local Sanitary Agency) is the Italian municipal authority that has jurisdiction over pesticide application methods.

The pesticide applicator's principal business shall be pest control and the pesticide applicator shall be an operator licensed by Region.

The Contractor shall:

- a. Have personnel with a license issued by Region.
- b. Provide a submittal with the following information to Contracting Officer:
 - (1) Quantity of pesticide used.
 - (2) Rate of dispersion.
 - (3) Percent of use.
 - (4) Total amount used.

1.4 DELIVERY, STORAGE, AND HANDLING

Deliver pesticides to the project site in sealed and labeled containers in good condition as supplied by the manufacturer or formulator. Store, handle, and use pesticides in accordance with manufacturer's labels. Labels shall bear evidence of compliance with EEC norms.

1.5 SAFETY REQUIREMENTS

Formulate, treat, and dispose of termiticides and their containers in accordance with label directions. Draw water for formulating only from sites designated by the Contracting Officer, and fit the filling hose with a backflow preventer meeting local plumbing codes or standards. The filling operation shall be under the direct and continuous observation of a contractor's representative to prevent overflow. Secure pesticides and related materials under lock and key when unattended. Ensure that proper protective clothing and equipment are worn and used during all phases of

termiticide application. Dispose of used pesticide containers off Government property.

1.6 WARRANTY

NOTE: Warranty period and the Contractor's responsibilities during the warranty period may be modified to be consistent with prevailing state or local practices if approved by the cognizant EFD applied biologist. NAVFACENGCOM Headquarters point of contact is the Assistant for Applied Biology Policy, Code 13411, telephone (703) 325-8183.

Furnish an 5 year written warranty against infestations or reinfestations by subterranean termites of the buildings or building additions constructed under this contract. Perform annual inspections of the building[s] or building addition[s]. If live subterranean termite infestation or subterranean termite damage is discovered during the warranty period, and the soil and building conditions have not been altered in the interim, the Contractor shall:

- a. Retreat the soil and perform other treatment as may be necessary for elimination of subterranean termite infestation;
- b. Repair damage caused by termite infestation; and
- c. Reinspect the building approximately 180 days after the retreatment.

1.7 QUALITY ASSURANCE

1.7.1 Application Report

Upon completion of this work, submit Pest Management Data System, NAVFAC Form 6250/2 identifying brand name and manufacturer of pesticide, dilution, and method and rate of application used.

PART 2 PRODUCTS

2.1 PESTICIDES

Termiticides approved and authorized for production by the Ministry of Public Health. Comply with ASL requirements on contractor's licensing, certification, and record keeping. Contact the command Pest Control Coordinator prior to starting work.

PART 3 EXECUTION

3.1 VERIFICATION OF CONDITIONS

At the time of application, the soil shall have a sufficiently low moisture content to allow uniform distribution of the treatment solution throughout

the soil. Do not make applications during or immediately following heavy rains or when conditions may cause runoff and create an environmental hazard.

3.2 APPLICATION

3.2.1 Treatment Area

Apply termiticide to soil material which will be covered by or lie immediately adjacent to the buildings and structures so as to provide a protective barrier against subterranean termites.

3.2.2 Treatment Application

Apply termiticide as a coarse spray and in such manner as to provide uniform distribution onto the soil surface. Apply treatment prior to placement of a vapor barrier or waterproof membrane and at least 12 hours prior to concrete pouring. Where treated soil or fill material is not to be covered with a vapor barrier or waterproof membrane, exercise adequate precautions to prevent its disturbance. If soil or fill material has been disturbed after treatment, retreat as specified above before placement of slabs or other covering structures. Coordinate treatment of the soil on the exterior sides of foundation walls, grade beams, and similar structures with final grading and planting operations so as to avoid disturbance of the treated barriers by such operations. Observe manufacturer's warnings and precautions in the handling and use of such materials. Exercise precaution that these chemicals do not enter water supply systems or potable water supplies or aquifers, and that they do not endanger plants and animals as well. Notify the Contracting Officer at least 48 hours prior to beginning of treatment and perform formulating, mixing, and application in the presence of the Contracting Officer's representative.

3.2.3 Rates and Methods of Application

Apply in accordance with the pesticide label. Provide maximum application or dosage rates. Resolve conflict between this specification and label direction in favor of the label.

-- End of Section --