

3-PART ARCHITECTURAL SPECIFICATION FOR TERMITE CONTROL WITH TIM-BOR PROFESSIONAL

Nisus Corporation

**SECTION 31 31 16
TERMITE CONTROL**

Nisus Corporation TIM-BOR PROFESSIONAL

(Specifier Note: The purpose of this guide specification is to assist the Specifier in correctly specifying termite and the application. The Specifier needs to edit these guide specifications to fit the needs of each specific project. Contact a Nisus Corporation representative to assist in appropriate product selections. Throughout the guide specification, there are “Specifier Notes” to assist in the editing of the file. Brackets [] have been used to indicate when a selection is required. TIM-BOR professional is referenced in this specification.

References have been made within the text of the specification to MasterFormat 2016 Section numbers and titles. The Specifier needs to coordinate these numbers and titles with sections included for the specific project.

This guide is for residential and commercial whole structure applications using a termiticide to protect structures from subterranean, drywood, and dampwood termites.

For Mold Remediation, fungi control, and whole house treatments please reference our other specifications.

TIM-BOR Professional termiticide is a water soluble, inorganic borate salt with insecticidal properties against subterranean, drywood, and dampwood termites. Apply TIM-BOR Professional as a liquid solution, powder or foam. TIM-BOR Professional is also an effective treatment for wood (and wood-foam composite structural components) to kill and prevent infestations of decay fungi including white rot, brown rot (i.e., *Poria*), wet rots, and other wood destroying organisms. This product may be used for preventative treatment (before signs of infestation), for wood in existing structures and for remedial treatment of infested wood in existing structures. This specification does not preempt EPA registered label directions.

This Nisus Corporation product can also be used in the following CSI MasterFormat specification sections:

- Section 06 03 00 Conservation Treatment for Period Wood
- Section 06 05 00 Common Work Results for Wood, Plastics, and Composites
- Section 06 03 05.74 Eradication of Insects in Period Wood
- Section 06 05 73.93 Eradication of Insects in Wood
- Section 06 20 00 Finish Carpentry
- Section 06 40 00 Architectural Woodwork
- Section 06 70 00 Structural Composites

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PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Termiticide treatment of structure.

1.2 ACTION SUBMITTALS

Product Data: For each type of termite control product indicated. Include EPA-Registered Label for termiticide products. *(Specifier Note: DELETE article below if not specific to project. LEED projects should be addressed separately and specifically including templates of information satisfying CIR requirements and case studies of projects receiving favorable ruling.)*

- A. LEED Submittals:

1. Product Data for Credit IDc1, For termiticide treatment of structure:
 - a. Provide documentation describing typical methods for termite prevention involving chemical pesticide treatments and describing alternative control. Include the advantages of one treatment over the other.
 - b. Provide documentation showing significant and measureable environmental effect and actual reduction in chemical use.
 - c. Provide statement of project commitment to eliminate future chemical use.

1.3 INFORMATIONAL SUBMITTALS

(Specifier Note: VERIFY licensing requirements with local authorities. DELETE "Qualification Data" paragraph below if not project specific.)

- A. Qualification Data: For licensed applicator.
- B. Termiticide Treatment Report: Include the following:
1. Date and time of application.
 2. Quantity of undiluted termiticide used.
 3. Dilutions, methods, volumes used, and rates of application.
 4. Areas of application.
 5. Areas not accessible.

1.4 QUALITY ASSURANCE

- A. Applicator Qualifications: A specialist who is licensed per regulations of authorities having jurisdiction to apply termite control treatments and products in jurisdiction where Project is located and who employs workers trained and approved by manufacturer to apply manufacturer's products.

- B. Regulatory Requirements: Formulate and apply termiticides per the EPA-Registered Label.
- C. Source Limitations: Obtain termite control products from single source from single manufacturer.
- D. Pre-installation Conference: Conduct conference at Project site.

1.5 PROJECT CONDITIONS

- A. Apply termiticide solutions during the dried-in phase after structural framing and sheathing is in place and prior to installation of drywall, insulation, mechanical systems and electrical wiring.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Nisus Corporation; 100 Nisus Drive; Rockford, TN 37853; Phone 800.264.0870; website www.nisuscorp.com

2.2 MATERIALS

Termite Treatment: 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, per product's EPA-Registered Label.

- 1. Basis-of-Design: Subject to compliance with requirements, provide Nisus Corporation; TIM-BOR professional[®] Termiticide [**or approved equal**].
 - a. Active Ingredient: 98% Disodium Octaborate Tetrahydrate (DOT)
 - b. Absorbed Moisture: 2%.

2.3 MIXING

- A. Mix TIM-BOR professional together with water to a uniform consistency per manufacturer's label.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for interfaces with slab and foundation work, utility installation, and other conditions affecting performance of termite control.
- B. Proceed only when unsatisfactory conditions have been corrected in a manner complying with Contract Documents.

- C. Starting work within an area will be construed as acceptance of surface conditions.

3.2 APPLICATION, GENERAL

- A. Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's EPA-Registered Label for products.

(Specifier Note: RETAIN following Article for structure that has been previously damaged by flooding or is being gutted and rebuilt.)

3.3 PREVIOUSLY DAMAGED STRUCTURE APPLICATION

- A. Remove existing wall cladding to expose the building structure. If flooded remove to the extent that the wall cladding that is removed extends from the floor line to 6 inches above where the water line was.
- B. Allow structure to dry.
- C. Remove existing and fungi.

3.4 TERMITICIDE TREATMENT TO STRUCTURE APPLICATION

- A. Treatment Preparation: Remove foreign matter and impermeable materials that could decrease treatment effectiveness on areas to be treated.
- B. Application for Subterranean Termiticide: Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide, per manufacturer's EPA-Registered Label. Apply to the following so that a continuous horizontal and 2' vertical termiticide barrier or treated zone is established at the foundation of building construction. For subterranean, drywood, and dampwood termites one may treat the entire structure. Distribute treatment evenly.

(Specifier Note: Items below must be treated. DELETE application paragraphs below only if area is not part of the structure.)

1. Structural Wood and Sill Plates: Treat all structural concrete, block, steel & wood and sill plates up 24 inches from contact with foundation as required by label.
 2. Sheathing: Treat all cellulosic sheathing within 24 inches of the foundation.
 3. Concrete Slab: Treat concrete slab a minimum of 2-8 inches out from all sill plates.
 4. Bath Traps: Treat open bath traps and surrounding 12 inches of slab area.
 5. Penetrations: Treat all pipe and plumbing penetrations to a height of 24 inches and a minimum of 6 inches surrounding penetration.
 6. Crawlspace: Treat inside surface of crawlspace concrete or concrete block walls extending up vertically 24 inches from soil.
 7. Crawlspace/Basement Flooring: Treat all sill plates, box headers and joists 24 inches out from contact with foundation walls or piers.
 8. Basement: Treat inside surface of basement concrete or concrete block walls extending up vertically 24 inches from slab.
 9. Expansion Joint and Abutting Connections: Treat abutting slab areas and expansion joints a minimum of 6 inches out on each side of joint or abutting slab connection.
- C. Application for subterranean, drywood, dampwood termites: Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide,

per manufacturer's EPA-Registered Label. Apply solution to all exposed bare wood in the structure. Only treated wood will be protected.

END OF SECTION