

3–PART ARCHITECTURAL SPECIFICATION FOR BORA-CARE® WITH MOLD-CARE®

Nisus Corporation

(Specifier Note: The purpose of this guide specification is to assist the Specifier in correctly specifying a drywood termite treatment in conjunction with wood decay and mold control and its 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.

References have been made within the text of the specification to MasterFormat 2004 Section numbers and titles. The Specifier needs to coordinate these numbers and titles with sections included for the specific project.

This guide is for applications using a termiticide with moldicide to protect structures from drywood termites and mold.

Bora-Care with Mold-Care® Termiticide/Moldicide is a combination of a “green” mineral-derived borate-based EPA-registered product applied directly to the structure of a building as a primary drywood termite barrier and prevention of wood rot with a quaternary ammonium product EPA-registered for remedial and prevention against surface mold. It uses a patented glycol solution and an ammonium quat to kill and prevent surface mold growth and to create a continuous barrier of protection on wood for drywood termite entry points. Bora-Care with Mold-Care is applied as a continuous horizontal and vertical application to all structural wood. It provides the highest level of active ingredient against drywood termites and surface mold, and is the only borate-based drywood termiticide with moldicide exhibiting product-specific long-term efficacy studies and application history against drywood termites and mold. Bora-Care with Mold-Care® should not be used belowground, where treated exterior surfaces are not protected from weather, in direct contact with the ground or in continuous contact with water.

SECTION 31 31 16
DRYWOOD TERMITE CONTROL
Nisus Corporation BORA-CARE® with MOLD-CARE®

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Drywood termiticide treatment of structure.

1.2 ACTION SUBMITTALS

A. Refer to Section [01 33 00 Submittal Procedures] [Insert section number and title].

B. Product Data: For each type of drywood termite control product indicated. Include EPA-Registered Label for termiticide/moldicide 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.)

C. LEED Submittals:

1. Product Data for Credit IDc1, for termiticide and moldicide treatment of structure:
 - a. Provide documentation describing typical methods for drywood 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.

(Specifier Note: Bora-Care with Mold-Care is distinguished from other borate-based termiticides by including a moldicide.)

B. Product Certificates.

C. Termiticide with Moldicide Treatment Report: Include the following:

1. Date and time of application.
2. Quantity of undiluted termiticide/moldicide used.

3. Dilutions, methods, volumes used, and rates of application.
4. Areas of application.
5. Areas not accessible.

D. Warranties: Sample of special warranties.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: A specialist who is licensed according to regulations of authorities having jurisdiction to apply a drywood termite and mold control treatment and products in jurisdiction where Project is located and who employs workers trained and approved by manufacturer to install manufacturer's products.
- B. Regulatory Requirements: Formulate and apply drywood termite termiticides and moldicides according to the EPA-Registered Label.
- C. Source Limitations: Obtain drywood termite and mold control products from single source from single manufacturer.
- D. Pre-installation Conference: Conduct conference at Project site.

1.5 PROJECT CONDITIONS

A. Coordinate application of drywood termiticide with moldicide treatment of structure with access to all structural wood members and foundations. Apply drywood termiticide with moldicide during the dried-in phase after all structural framing and sheathing is in place and apply to sheathing, insulation or drywall. *(Specifier Note: DELETE "Warranty" article below if not specific to project.)*

1.6 WARRANTY

(Specifier Note: COORDINATE paragraph below with division one sections. DELETE if not project specific.)

(Specifier Note: VERIFY warranty requirements with local authorities.)

- A. Refer to Section **[01 78 36 Warranties]** **[Insert section number and title]**.
- B. Special Warranty: Standard form, signed by Applicator and Contractor, certifying that drywood termite control work, consisting of applied termiticide treatment on new construction, will prevent infestation of drywood termites. Applicator agrees to re-treat structure with drywood termiticide, and repair or replace damage where activity is discovered during warranty period as directed by warranty. Any warranty by applicator for mold is only for treated wood.

1. Warranty Period: [Applicator] years from date of Substantial Completion.

a. Provide annual inspection of drywood termite control work.

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 TERMITICIDE AND MOLDICIDE TREATMENT

(Specifier Note: Bora-Care with Mold-Care is distinguished from other borate-based termiticides with moldicide by its "product-specific" five-year efficacy data submitted to EPA for drywood termite control and prevention and its labeling for mold control and prevention)

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

1. Basis-of-Design: Subject to compliance with requirements, provide Nisus Corporation; BORA-CARE with MOLD-CARE Termiticide/moldicide [**or approved equal**].
 - a. Termiticide Active Ingredient: 40% Disodium Octaborate Tetrahydrate (DOT).
 - b. Moldicide Active Ingredient: 80% Didecyl dimethyl ammonium chloride.
 - c. Penetrant: Patented Glycol mixture.

PART 3 - EXECUTION

3.1 GENERAL

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

3.2 TERMITICIDE TREATMENT TO STRUCTURE APPLICATION

- 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 drywood termite and mold control.
- B. Proceed with application only after unsatisfactory conditions have been corrected.
- C. Drywood Termite Termiticide and Moldicide Treatment Preparation: Remove foreign matter and impermeable materials that could decrease treatment effectiveness on areas to be treated.
- D. Application: Mix termiticide/moldicide solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide and moldicide, according to manufacturer's EPA Registered

Label. Apply to the following so that a continuous horizontal and vertical termiticide and moldicide barrier or treated zone is established at the foundation of building construction. Spray entire remaining structure according to label dilution rate of 5:1. Distribute treatment evenly.

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

As required by label, treat:

1. Structural Wood and Sill Plates: Treat all structural [concrete, block], [steel], wood, and sill plates.
2. Sheathing: Treat all cellulosic sheathing.
3. Bath Traps: Treat wood in bath traps areas.
4. Penetrations: Treat all pipe and plumbing penetrations.
5. Remaining structural wood including attic trusses.

END OF SECTION