ADDENDUM NO. 1

Tent Fumigation & Soil Treatment of 15 buildings
At
Kahekili Terrace (HA 1017)
2015 Holowai Place, Wailuku, (Maui), Hawaii 96793

HPHA JOB NO. 09-017-117-S

IFB–CMS–2009-19

May 21, 2009

NOTICE TO ALL PROSPECTIVE BIDDERS:

This addendum is hereby made a part of the Contract Documents for the above project, and it shall amend the said documents in the following respects as indicated below:

A. DELETE: The entire: Section 02281 – Soil Treatment For Termite Control and replace with new Section 02281 –Soil Treatment for Termite Control. See Attached -TERMIDOR 80 WG Data Sheet, 14 sheets.

B. REPLACE: The entire: GENERAL REQUIREMENTS "GR1 Summary of Work" and replace with the new GENERAL REQUIREMENTS "GR1 Summary of Work."

All other terms of the IFB shall remain in full effect.

Approved by:

Rick T. Sogawa
Acting Procurement Officer

EQUAL HOUSING OPPORTUNITY

GENERAL REQUIREMENTS

GR 1 - SUMMARY OF WORK

1.01 REQUIREMENTS INCLUDED

All fumigation work shall adhere to the following:

1. Chapter 460J, Pest Control Operators, Hawaii Revised Statutes.
2. Chapter 94, Pest Control Operators, Rules & Regulations of the Pest Control Board, State of Hawaii.
3. Chapter 149A, as amended and Administrative Rule, Title 4, Chapter 66, Pesticide.
4. Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended.
5. Fumigant shall be used in strict accordance of the manufacturer's directions.
6. All fumigation work shall be performed by a pest control operator having a valid license by the Hawaii State Pest Control Board in Branch #1.
7. All pesticides to be used must meet Pest Control Board regulations along with the appropriate MSDS sheets.
8. See attached: Section 10291 Termite Fumigation & Section 02281Soil Treatment

   Fumigant used shall be sulfury fluoride (Vikane) or equivalent in conjunction with recommended amounts of chloropicrin. Submit all appropriate MSDS sheets for each product. Proper aeration and ventilation shall be done by the contractor prior to re-occupancy of each unit. Any damages by the Contractor shall be repaired at no extra cost to the State. Upon completion, the Contractor shall clean-up the work site of all materials and debris.

9. **Contractor must provide 24 hour security personnel.**

1.02 WORK COVERED BY CONSTRUCTION DOCUMENTS

Provide tenant relocation cost @ _____ per units, to be paid directly to the tenant. Provide materials, labor & equipment necessary to tent fumigate and soil treatment for termite control for 25 building at Kahekili Terrace on the Island of Maui as described in this scope of work.

Security and warning signs shall be posted as necessary

1.03 ALLOWANCE ($25,000.00)

The allowance for tenant relocation (food and lodging for one night) is part of the contract. The amount will be determined by the Hawaii Public Housing Authority staff for each family. Only the actual amounts expended will be paid to the contractor, and any remaining balance will not be paid. The contract amount will be adjusted at closure of the contract.

END OF SECTION

DIVISION 2 – SITE CONSTRUCTION

SECTION 02281 – SOIL TREATMENT FOR TERMITE CONTROL

PART 1 – GENERAL

1.01 GENERAL CONDITIONS

As specified in The General Conditions

1.02 DESCRIPTION OF WORK

A. Soil shall be conventionally treated at all exterior walls and kitchen plumbing penetrations against subterranean termites by a pest control operator licensed by the Hawaii State Pest Control Board in Branch #3 and certified as a commercial applicator under the Hawaii Pesticide Law by the Hawaii State Department of Agriculture in category 7b.

B. The Contractor shall notify the HPHA PE at least two-days before application of chemicals.

C. A totalizing meter shall be provided to determine application rates and to indicate the total volume of pesticide applied in U.S. gallons. The meter shall be no more than five-feet from the applicator at all times.

D. Pumping equipment shall be a type normally used and be capable of pumping the working solution in a manner accepted and practiced by the pest control industry.

1.03 SUBIMITTALS

Submit in accordance with Section 01330 – SUBMITTALS AND SUBSTITUTIONS.

1. Manufacturer's Data: Submit to the HPHA PE for approval 6 copies of the label for chemical proposed for use.

2. Materials Safety Data Sheets (MSDS): Submit MSDS for all products and keep one posted at the project site.

1.04 GUARANTEE

The Contractor shall furnish a written warranty in 3 copies to the Owner stating that:

1. The chemical concentration, rates and method of application complied with these specifications;

2. The effectiveness of the treatment is guaranteed for a period of not less than two (2) years from the date of final application of the treatment;

3. All necessary repairs of damages resulting from subterranean termite infestation within a period of one (1) year from the date of project acceptance will be made at the Contractor's own expense up to a total cost of $5,000.00 per building; and

4. If subterranean termite infestation should occur through the treated area within the two (2) year guarantee period, the soil shall be re-treated to exterminate all infestation without cost to the Owner as stipulated below. The application rates shall be as given by the label of the chemical being used. All corrective treatments shall be performed to at least 10-feet around each visible subterranean termite activity.

   a. Working pressure while applying treating solution shall be held to that which is applicable to and safe under the conditions at the site being treated.

   b. Drill and treat through all interior concrete floors, along both sides of all partitions and walls, and all cracks and expansion joints according to label directions. Drill holes through concrete slab shall be 1/2 –inch or 9/16-inch diameter and spaced not more than 18-inches apart.

   c. Drill one hole at each plumbing or utility penetration through ground floor slab and treat according to label instructions.

   d. Patch drill holes with cement/concrete to full depth of slab thickness and refinish walls/floors as necessary to prevent any backflow and to restore original appearance.

   e. Replace any finish/finish materials which are contaminated by spilled chemicals.

5. The above-ground areas infested with subterranean termites shall be treated as appropriate with a proven, effective insecticide to eliminate those termites.

PART 2 – PRODUCTS

2.01 MATERIALS

TERMIDOR 80 WG shall be used in treating the soils. SEE ATTACHMENTS.

PART 3 – EXECUTION

3.01 APPLICATION AND RATES

A. The solution shall be applied uniformly and at the maximum rates permitted on the label for the chemical being sued.

B. Refer to Page #4 of this section.

3.02 CLEAN UP

Do not allow chemicals to remain at the project site whenever the Contractor is not present at the site. Remove chemical spills and other applications exceeding label requirements as recommended by the manufacturer and as directed by the HPHA at no additional cost to Owner.

END OF SECTION

SPECIMEN

TERMIDOR® 80 WG

TERMITICIDE/
INSECTICIDE
in Water Soluble Packs

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products.

ACTIVE INGREDIENT:

fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl) -1-H-pyrazole-3-carbonitrile	80%
OTHER INGREDIENTS:	20%
Total:	100%

EPA Reg. No. 7969-209 **EPA Est. No. _____**

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

See inside for additional **First Aid**, **Precautionary Statements** and **Directions for Use**.

For Product Use Information, Call 1-877-TERMIDOR

FOR MEDICAL AND TRANSPORTATION EMERGENCIES ONLY CALL 24 HOURS A DAY 1-800-832-HELP (4357).

NET CONTENTS: _____

TERMIDOR®

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BASF Corporation
Crop Protection
26 Davis Drive
Research Triangle Park, NC 27709

BASF
The Chemical Company

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to by a poison control center or doctor. • **DO NOT** give anything by mouth to unconscious person.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **NOTE TO PHYSICIAN:** There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed or absorbed through skin or inhaled. Causes moderate eye irritation. **DO NOT** get in eyes, on skin or on clothing. **DO NOT** breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. All pesticide handlers must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter, when working in a non-ventilated space, including but not limited to crawl spaces and basements. All pesticide handlers must wear protective eyewear (goggles, a face shield, or safety glasses with front, brow, and temple protection) when working in a non-ventilated space, including but not limited to crawl-spaces and basements or when applying termiticide by rodding or sub-slab injection.

For cleaning equipment: Wear a chemical resistant apron.

USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove contaminated clothing. Then wash body thoroughly with soap and water and put on clean clothing. Wash clothing with detergent and hot water before reusing.

Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash PPE before reusing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. **DO NOT** apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care must be taken to avoid runoff. **DO NOT** contaminate water by cleaning equipment or disposal of wastes. **DO NOT** contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

STORAGE

Store unused product in original container only, out of reach of children and animals.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

In case of spill, clean up dust spillage resulting from container or pack breakage by sweeping material into a pile and avoid skin contact. Carefully scoop up loose material and place it in appropriate containers so as to avoid dust generation. Ensure adequate decontamination of tools and equipment following cleanup.

CONTAINER DISPOSAL

Water soluble packages should be placed directly into spray tanks containing some water.

(for plastic containers)
Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

(for foil overpackaging)
Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE TO CONTROL TERMITES

USE RESTRICTIONS

- When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediate adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean up is completed.
- Prior to drilling and treating through concrete structures, such as patios, porches, sidewalks and foundation slabs applicator should first determine that there are no habitable areas below that could be unintentionally contaminated by the treatment.
- Only protected applicators wearing personal protective equipment as required by this product label may be in the area during application.
- All holes in commonly occupied areas into which **Termidor® 80 WG termiticide/insecticide** has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.
- **DO NOT** apply finished dilution of **Termidor 80 WG** until all heating/air conditioning ducts, air vents, plumbing pipes, sewer lines, floor drains, heating pipes and electrical lines/conduits are known and identified. **DO NOT** puncture or contaminate any of these.
- **DO NOT** treat within a distance of one foot out from the drip line of edible plants.
- **DO NOT** contaminate public and private water supplies.
- **DO NOT** make treatments while precipitation is occurring.
- **DO NOT** treat soil that is water-saturated or frozen.
- Use anti-backflow or air gap equipment with filling hoses.
- **DO NOT** use in tanks with borate contaminants.

GENERAL INFORMATION

Termidor 80 WG, when used as recommended in this label, provides effective prevention and/or control of subterranean termites. In order to maximize the termiticide potency of **Termidor 80 WG**, it should be applied in a manner to provide a continuous treated zone to prevent termites from infesting the wood to be protected. **Termidor 80 WG** should only be applied by licensed technicians familiar with trenching, rodding, short rodding, sub-slab injection, low-pressure banded surface applications, and foam delivery techniques. **Termidor 80 WG** is highly effective against a variety of subterranean termites including species of *Reticulitermes, Zootermopsis, Heterotermes,* and *Coptotermes*. While **Termidor 80 WG** is labeled for use at 0.06%, 0.09% and 0.125% finished dilution, the 0.06% finished dilution should be used for typical control situations. Where severe termite infestations occur, where problem soils occur or where difficult or problem construction types are encountered, it may be advisable to use 0.09% or 0.125% **Termidor 80 WG**.

Termidor 80 WG is formulated as a dry powder containing 80% active ingredient and is packaged in water soluble packages (paks). Paks are contained inside a resealable plastic overpacking container. **DO NOT** allow paks to become wet prior to adding to the spray tank. **DO NOT** handle the paks with wet gloves. **DO NOT** handle the paks roughly as such handling may cause breakage of the water soluble packaging. If a pak gets wet prior to placement in the spray tank, return the "wet" pak to the resealable overpacking container. This "wet" pak can still be used. Pour the contents of the "wet" pak directly into the spray tank, following the mixing directions below. Unused paks need to be re-sealed in the plastic overpacking container. To prepare the spray mixture, remove the paks from the overpacking container and follow the mixing instructions below.

MIXING INSTRUCTIONS

Mix **Termidor 80 WG** in the following manner:

1. Fill tank 1/4 to 1/3 full with water. Filling hose must be equipped with an anti-backflow device or water flow must include an air gap to protect against back siphoning.
2. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose.
3. Add appropriate number of **Termidor 80 WG** paks. Refer to the table in the box below to determine the proper number of paks required to prepare the desired amount of finished dilution.
4. Add remaining amount of water.
5. Let pump run and allow recirculation through the hose back into the tank until all paks in the tank have dissolved and the **Termidor 80 WG** has dispersed completely. Depending on the water temperature and

thoroughness of agitation, the paks should dissolve within a few minutes from the time they were added to the water. Paks dissolve slower in cold water.

Desired Termidor® 80 WG termiticide/insecticide Concentration*	Number of Paks** to Add	Gallons of Water
Finished Dilution of **Termidor 80 WG** at 0.06%	1	25
	2	50
	4	100
Finished Dilution of **Termidor 80 WG** at 0.09%	1	17
	2	34
	4	67
	6	100
Finished Dilution of **Termidor 80 WG** at 0.125%	2	25
	4	50
	8	100

* Percentage weight of active ingredient to weight of spray dilution.

Each pak of **Termidor 80 WG weighs 2.61 ounces and contains 2.1 ounces of fipronil.

APPLICATION VOLUME

To provide maximum control and protection against termite infestation, apply the volumes of **Termidor 80 WG** finished dilution specified in the **DIRECTIONS FOR USE** throughout this label. However, if the soil will not accept these labeled volumes of **Termidor 80 WG**, twice the concentration of **Termidor 80 WG** may be applied in half the volume of finished dilution. For example, if 0.06% **Termidor 80 WG** cannot be applied to achieve 4 gallons finished dilution per 10 linear feet per foot of depth, then 0.125% **Termidor 80 WG** applied in 2 gallons finished dilution per 10 linear feet per foot of depth may be substituted. **DO NOT** treat while precipitation is occurring. **DO NOT** treat soil that is water-saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur.

NOTE: Large reductions of application volume reduce the ability to obtain a continuous treated zone. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous treated zone is still achieved. At reduced application volume; it may be necessary for the applicator to drill holes closer than 12 inches apart to create a continuous treated zone.

PRE-CONSTRUCTION TREATMENT

DO NOT APPLY AT A DOSAGE AND/OR CONCENTRATION LOWER THAN **TERMIDOR 80 WG** AT 0.06% FOR APPLICATIONS UP TO AND INCLUDING INSTALLATION OF THE FINAL GRADE. Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended **Termidor 80 WG** application and intended sites of application and instruct the responsible person to notify construction workers and other on site individuals to leave the treatment area and not return until **Termidor 80 WG** has been absorbed into the soil.

GENERAL

Pre-construction treatments are defined to include treatments made during all phases of construction up to and including installation of the final grade. Effective pre-construction termite control is achieved by establishing a thorough and complete horizontal and vertical treated zone using 0.06%, 0.09% or 0.125% **Termidor 80 WG**.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or, if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to a minimum depth of 4 feet. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

CONCRETE SLAB (INCLUDING MONOLITHIC, FLOATING AND SUPPORTED CONCRETE SLABS) ON GROUND OR IN BASEMENTS

HORIZONTAL TREATED ZONES

Apply an overall treatment of **Termidor 80 WG** to the entire surface to be covered beneath the concrete slab. This includes the slab under the actual living area, plus carports, porches, basement floors, and any extended entrances. Make this treatment at the rate of 1 - 1.5 gallons finished dilution per 10 square feet. Make these applications using a coarse spray nozzle and low-pressure spray (less than 25 p.s.i.), spraying the dilution evenly and uniformly over the entire area treated.

VERTICAL TREATED ZONES

Apply **Termidor 80 WG** at rate of 1 gallon finished dilution/square foot around anything penetrating the slab (e.g. utility services, plumbing lines) and at 4 gallons of finished dilution per 10 linear feet per foot of depth along the inside and outside perimeter of foundation walls. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements. Make this treatment along the inside of foundation walls at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet below grade. A trench need not be wider than six inches. Low-pressure spray (less than 25 p.s.i. at the nozzle) may be used to treat soil which will be replaced in the trench. When rodding from grade or from the bottom of a shallow trench, rod holes should be spaced in a manner that will allow for application of a continuous treated zone, but not wider than 12 inches apart. Rod holes should not extend below the top of the footing.

These two applications, horizontal treated zone (overall treatment 1-1.5 gallons/10 square feet) and vertical treated zone (the additional treatment of 4 gallons/10 linear feet) should be made prior to covering area with the concrete slab. If slab is poured prior to horizontal treatment, **Termidor 80 WG** can be used to treat penetrations, joints, bath traps, shower pan accesses, etc. as detailed in **Post Construction Treatment** section of label. However, it is highly recommended that a complete horizontal treated zone be created prior to slab pour. If the slab is not to be poured the same day as treatment,

cover the treated soil with a waterproof barrier such as polyethylene sheeting.

After completion of the grading, apply **Termidor® 80 WG termiticide/insecticide** by trenching and rodding into the trench or trenching alone along the slab or foundation perimeter at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent **Termidor 80 WG** from running out of the trench. The finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart. However, in no case should the structure be treated below the footing.

CRAWL SPACES

For crawl spaces, apply vertical termiticide treatment at the rate of 4 gallons of finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of foundation and all piers and pipes. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The finished dilution must be mixed with soil as it is replaced in the trench.

HOLLOW BLOCK FOUNDATIONS/VOIDS

Hollow block foundations or voids in masonry resting atop the footing may be treated in order to create a continuous treatment zone in the area to be treated. Applicators may drill and treat into voids of masonry elements if not openly accessible. Apply at the rate of 2 gallons of finished dilution per 10 linear feet of footing using a nozzle pressure of 25 p.s.i. or less. When using this treatment, access holes may be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of **Termidor 80 WG** in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the clean up is completed.

Not for use in voids insulated with rigid foam.

POST-CONSTRUCTION CONVENTIONAL STRUCTURAL TERMITE TREATMENT

GENERAL

For applications made after the final grade is installed for the purpose of protecting the structure from termite infestation and/or for controlling existing termite populations. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at either 0.06%, 0.09% or 0.125% **Termidor 80 WG** from grade to the top of the footing. When the footing is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls, at either 0.06%, 0.09% or 0.125% **Termidor 80 WG**, to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Exterior concrete structures adjoining the foundation, such as patios, porches and sidewalks, may be drilled followed by treatment by sub-slab injection of the **Termidor 80 WG** dilution in order to complete the exterior perimeter treatment zone along the foundation wall.

DO NOT apply finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) until the location and type of (1) construction of heat or air-conditioning ducts and vents, (2) water and sewer (or plumbing) lines and (3) electrical lines/conduits are known and identified. Caution must be taken to avoid contamination of and damage to these structural elements and airways.

CONCRETE SLAB ON GROUND (INCLUDING MONOLITHIC, FLOATING AND SUPPORTED CONCRETE SLABS)

EXTERIOR PERIMETER

Apply by trenching and rodding into the trench or trenching along the foundation at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. The finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart. However, in no case should the structure be treated below the footing.

SUB-SLAB INJECTION

Sub-slab injection treatments can be made from inside the structure or in cases when this is not possible, by drilling through the foundation from the outside as direct-

ed below. Prior to making any treatments, locate all heating/air conditioning ducts, vents, water/sewer lines, and electrical lines/conduits.

Vertical Drilling/Injection: To treat under the slab, drill vertically through the slab along the interior perimeter of the foundation including the garage. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. It may be necessary to drill holes along one side of the slab adjacent to an interior partition wall if there is clear evidence of termite activity or damage in the wall. All drill holes through the slab should be spaced so as to achieve a continuous treated zone but in no case be more than 12 inches apart. Inject a 0.06%, 0.09% or 0.125% dilution of **Termidor® 80 WG termiticide/insecticide** into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, application should be made with a lateral dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

Horizontal Drilling/Rodding/Sub-slab Injection from the Exterior of the Foundation: This technique should be used to treat underneath the slab only when floors or interior design do not allow for vertical drilling. Care must be exercised not to rod into heating ducts, water/sewer lines, and electrical lines/conduits. Horizontal short-rodding practices can be used to establish a continuous treated zone in the soil proximal to the inside of the foundation wall. Holes should be drilled from outside the foundation at an angle which allows a finished dilution (0.06%, 0.09% or 0.125%) of **Termidor 80 WG** to be deposited below heating ducts, water/sewer lines, and electrical conduits if present. Horizontal long rodding practices may only be employed to treat areas underneath the slab that are not accessible by vertical rodding or horizontal short rodding. Long rods exceeding 20 feet should not be used. For all horizontal rodding applications, all drill holes through the foundation should be spaced so as to achieve a continuous treated zone but in no case be more than 12 inches apart. Inject a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, make applications with a lateral dispersal nozzle. All holes must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

BATH TRAPS: Exposed soil or soil covered with tar or similar sealant beneath or around plumbing and/or drain pipe entry areas should be treated with a minimum of 1 gallon to a maximum of 4 gallons of finished dilution per square foot. Tar or sealant may have to be removed to allow for adequate soil treatment. An access door or inspection portal should be installed if not already present. After inspection and removal of all wood/cellulose debris, the soil can be treated by rodding or drenching the soil with a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG**.

SHOWER DRAINS: Soil beneath and adjacent to shower pan drains may be treated. Drill through slab adjacent to shower pan and apply 0.06%, 0.09% or 0.125% finished spray dilution of **Termidor 80WG** by sub-slab injection to the soil below. Foam can be used to maximize dispersion. Multiple access points may be drilled adjacent to the drain. A directional dispersion tip may be used to enhance treatment of the soil below the drain. Treat soil with a minimum of 1 gallon but no more than 4 gallons finished spray dilution per shower drain. Horizontal rodding can be used to access and treat the soil associated with the shower drain.

BASEMENT STRUCTURES

EXTERIOR PERIMETER

Apply by trenching and rodding into the trench or trenching along the foundation at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent **Termidor 80 WG** from running out of the trench. The finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart. However, in no case should the structure be treated below the footing.

INSIDE PERIMETER

DO NOT contaminate wells or cisterns.

To treat under the basement floor slab, drill vertically through the slab along the interior perimeter of the foundation. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. Drill holes along both sides of partition foundation walls, and around piers. It may be necessary to drill holes along one side of the slab adjacent to a non-foundation interior partition wall if there is clear evidence of termite activity in the wall. All drill holes through the slab should be spaced so as to achieve a continuous treated zone but in no case be more than 12 inches apart. Inject a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, application should be made with a lateral dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

STRUCTURES WITH FRENCH DRAINS AND SUMP PUMPS

French drains eliminate water at the footer along a foundation perimeter. They are common in hollow block foundation structures to drain water seeping from the exterior perimeter or underneath the foundation. Soil must be dry before applying to sites with French drains. **DO NOT** treat soil that is saturated or frozen. **DO NOT** make treatments while precipitation is occurring. **DO NOT** rod through the slab any closer than 24 inches to the French drain to prevent finished dilution seepage and/or damage to the drain or the tiles. **DO NOT** apply **Termidor 80 WG** within 5 feet of the sump pit and pump. **DO NOT** drill through hollow block foundations that border the French drain in order to prevent drainage/seepage from the block into the drain.

Once French drains have been identified and located, apply **Termidor® 80 WG termiticide/insecticide** as follows:

1) Unplug the sump pump. Inspect sump pit for water. If no water is present, the treatment can be made provided the sump pump remains unplugged; or
2) If water is in the sump pit, unplug the sump pump and remove four cups of water from the pit. Mark the water level. Wait 10 minutes and check the water level in the pit again. If the water level has risen, there is too much seepage to perform the treatment at this time. If the water level does not rise, make the treatment provided the sump pump remains unplugged.

During application, check the sump pump pit every few minutes for the presence of termiticide dilution. If dilution is detected, stop treatment immediately and remove dilution from the pump pit. All dilution must be removed from the sump pump pit before plugging in the sump pump again. Dispose of dilution from the sump pump as directed by this label in the **PESTICIDE DISPOSAL** section.

ACCESSIBLE CRAWL SPACE CONSTRUCTION

BEFORE TREATMENT: Turn off any air circulation system that moves air from area to be treated to an untreated interior space of the structure until application has been completed and all Termidor 80 WG has been absorbed by the soil.

For crawl spaces, apply vertical termiticide treatment at the rate of 4 gallons of 0.06%, 0.09% or 0.125% **Termidor 80 WG** per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of the foundation and around all piers and pipes. Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Read and follow mixing and use directions on this label if situations are encountered where the soil will not accept the full application volume.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The 0.06%, 0.09% or 0.125% **Termidor 80 WG** dilution must be mixed with the soil as it is replaced in the trench.

INACCESSIBLE CRAWL SPACE CONSTRUCTION

BEFORE TREATMENT: Turn off any air circulation system that moves air from the area to be treated to an untreated interior space of the structure until application has been completed and all Termidor 80 WG has been absorbed by the soil.

For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground surfaces to allow operator access, excavate, if possible, and treat according to the instructions for accessible crawl spaces. Otherwise, apply one, or a combination of the following two methods:

1. To establish a horizontal treated zone, apply to the soil surface, 1 gallon of 0.06%, 0.09% or 0.125% **Termidor 80 WG** per 10 square feet using a nozzle pressure of less than 25 p.s.i. and a coarse application nozzle (e.g., Delavan Type RD **Raindrop®**, RD-7 or larger, or Spraying Systems Co. 80410LP **Teejet®** or comparable nozzle). For an area that can not be reached with the application wand, use one or more extension rods to make the application to the soil. **DO NOT** broadcast or power spray with high pressures.
2. To establish a horizontal treated zone, drill through the foundation wall or through the floor above and treat the soil adjacent to the foundation wall at a rate of 1 gallon of 0.06%, 0.09% or 0.125% **Termidor 80 WG** per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations which may apply. Soil adjacent to foundation elements may be treated with short or long rod techniques without drilling, if access for treatment tool to soil site is available.

HOLLOW BLOCK FOUNDATIONS/VOIDS

Hollow block foundations or voids in masonry resting atop the footing may be treated. Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment zone in the area to be treated. Applicators may drill and treat into voids of masonry elements if not openly accessible. Apply at the rate of 2 gallons of finished dilution per 10 linear feet of footing using a nozzle pressure of 25 p.s.i. or less. When using this treatment, access holes may be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of **Termidor 80 WG** in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the clean up is completed.

Not for use in voids insulated with rigid foam.

TREATMENT OF STRUCTURES WITH WELLS OR CISTERNS

DO NOT contaminate wells or cisterns.

DO NOT apply **Termidor 80 WG** within 5 feet of any well or cistern. Soil between 5 and 10 feet from a well or cis-

tern must only be treated by the backfill method. Treatment of soil adjacent to water pipes within 3 feet of grade must only be done by the backfill method.

Backfill Method

1. Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
2. Treat soil at the rate of 4 gallons of 0.06%, 0.09% or 0.125% **Termidor® 80 WG termiticide/insecticide** per 10 linear feet per foot of depth of the trench, or 1 gallon of 0.06%, 0.09% or 0.125% **Termidor 80 WG** per 1.0 cubic foot of soil. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.
3. After the treated soil has absorbed the **Termidor 80 WG** finished dilution, return the soil into the trench.

STRUCTURES WITH ADJACENT WELLS/CISTERNS AND/OR OTHER WATER BODIES

Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application.

1. Only treat foundations that are more than 5 feet from a well or cistern.
2. Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade. Treatment of soil adjacent to the waterpipe(s) should be done according to the backfill method described above.
3. Prior to treatment, applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of **Termidor 80 WG** to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system, soil type and degree of soil compaction should be taken into account in determining the depth of treatment.
4. When appropriate (e.g., on the water side of the structure), the treated backfill method (described above) can also be used to minimize off-site movement of **Termidor 80 WG**.
5. Applicator may apply a 0.125% dilution at 2 gallons/10 linear feet/foot of depth to minimize potential of runoff into nontarget areas.

PLENUM CONSTRUCTION

BEFORE TREATMENT: Turn off any air circulation system that moves air from the space to be treated to an untreated interior space of the structure until application has been completed and all Termidor 80 WG has been absorbed by the soil.

Application of **Termidor 80 WG** to the soil exterior to the foundation walls should follow the instructions listed above in **ACCESSIBLE CRAWL SPACE CONSTRUCTION**, including instructions for sloping (tiered) soils.

Interior treatment of plenum structures that use a sealed underfloor space to circulate heat and/or cooled air throughout the structure need to follow the instructions below:

1. Remove the sealing fabric and anything on the sealing fabric to expose no more than 18 inches adjacent to all foundation structures, including foundation walls, interior piers, pipes, and any other structures with soil contact. Follow the instructions listed above for exterior and interior treatment of **ACCESSIBLE CRAWL SPACE CONSTRUCTION**.
2. After the finished dilution of **Termidor 80 WG** has been absorbed by the soil, replace the sealing fabric and anything to be placed on the sealing fabric to its original, pre-treatment position.

FOAM APPLICATIONS

Construction practices, soil subsidence, and other factors may make it difficult to create a continuous treatment zone. In such situations, conventional liquid application methods can be supplemented through the use of foam generating equipment. Treatment of filled stoops and porches, chimney bases, piers, soil under concrete slabs, into block voids, behind masonry, other veneers, and stud walls are examples where foam applications may be useful. Foam applications to wall voids in stud walls should utilize dry foam only (from a range of relatively dry foam of 15:1 to 25:1 to 50:1 expansion ratio). Apply foam to wall voids where termites or termite damage are present or suspected.

In general, "foam only" treatment under slabs is appropriate when attempting to maximize horizontal coverage in areas where there is no deep foundation or footing (e.g. around plumbing entries, and near settlement cracks in concrete slabs). In areas where both lateral spread and deeper vertical penetration of the termiticide is needed both foam and conventional liquid should be used (e.g. adjacent to foundation walls). Foam and liquid applications must be consistent with volume and active ingredient instructions in order to ensure proper application has been made. The volume and amount of active ingredient are essential to an effective treatment. At least 75% of the gallons of the 0.06%, 0.09% or 0.125% **Termidor 80 WG** finished dilution must be applied as a typical liquid treatment. The remaining 25% or less gallons should be delivered to appropriate locations using a foam application. The total amount of product applied with the combination of foam and liquid finished dilution should be equivalent to that of an application of liquid finished dilution only. Foam applications are generally a good supplement to liquid treatments and they can be helpful in treating difficult areas.

FOAM MIXING INSTRUCTIONS AND APPLICATION

Prepare the finished dilution of **Termidor 80 WG** and mix it with manufacturer's recommended volume of foaming agent in foaming equipment. Apply a sufficient volume of **Termidor 80 WG** foam formulation to provide a continuous treated zone at the recommended rate for specific applications (these various rates are provided in the text of this label). If sufficient foam volume cannot be applied to achieve the recommended rate of **Termidor 80 WG**, apply additional finished dilution of **Termidor 80 WG** as liquid to assure proper treatment volume and concentration in the treated area.

MIXING TABLE FOR TERMIDOR® 80 WG TERMITICIDE/INSECTICIDE FOAM

Termidor 80 WG Use Dilution	Gallons of Finished Dilution	Foam Expansion Ratio**	Finished Foam (gallons)
0.06%, 0.09% or 0.125% a.i. *	1.0	25:1	25
	1.66	15:1	
	2.5	10:1	
	5.0	5:1	

* Percentage weight of active ingredient to weight of spray dilution.

Add the manufacturer's recommended quantity of foam agent to the **Termidor 80 WG dilution.

POST-CONSTRUCTION EXTERIOR PERIMETER/LOCALIZED INTERIOR (EP/LI) STRUCTURAL TERMITE TREATMENT*

***Not approved for use in Louisiana.**

GENERAL INFORMATION

For post construction applications after the final grade is installed for the purpose of protecting the structure from termite infestation and/or for controlling existing termite populations. **Termidor 80 WG** can be used to protect structures by using the Conventional structural treatment or the Exterior Perimeter/Localized Interior structural treatment. Structural termite protection is achieved by first establishing a continuous treated zone along the exterior foundation of the structure. Localized interior treatments are then made to areas where known termite activity is observed. If no termite activity is observed inside the structure at treatment time, then interior local treatments are not required.

This treatment method is designed to be non-invasive to the interior of the structure by applying a continuous treatment along the exterior foundation and only treating the interior areas that show termite activity. It may not be a conventional complete treatment. If you have questions regarding this treatment consult your lead state agency. **Termidor 80 WG**, when used as recommended in this label, provides effective subterranean termite control.

Termite activity is defined as one or more of the following infestation conditions: either alates (winged termites) have swarmed inside the structure or live termites are found to be active within the structure; or there is clear evidence of termite activity on or in the structure (mud tubes, galleries in wood) and live termites.

DO NOT apply **Termidor 80 WG** as an Exterior Perimeter/Localized Interior treatment at a finished dilution concentration lower than 0.06% or an application volume less than that specified in the **APPLICATION VOLUME** use directions section of this label.

A. EXTERIOR PERIMETER TREATMENT

When conducting an exterior perimeter application, **Termidor 80 WG** must be applied in a manner to provide a continuous treatment zone to prevent termites from infesting the structure. Read and follow **APPLICATION VOLUME** use directions on this label if situations are encountered where the soil will not accept the full application volume recommended in the following use directions.

A.1 CONCRETE SLAB ON GROUND (INCLUDING MONOLITHIC, FLOATING AND SUPPORTED CONCRETE SLABS)

Apply along the exterior foundation perimeter by trenching and rodding into the trench or trenching at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth. Trenches must be a minimum of 6 inches deep, or to the bottom of the footing, and need not be wider than 6 inches. The finished dilution must be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treatment zone but in no case more than 12 inches apart. However, in no case should the structure be treated below the footing.

Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used with rod holes no more than 12 inches apart. Drilling and sub-slab treatment of sub-soil is necessary for exterior concrete structures adjoining the foundation such as patios, porches and sidewalks, to complete the exterior perimeter treatment zone. For driveways, exterior drilling is necessary only around building supports or wall elements that are permanently and physically located at driveway joints. In no case should the structure be treated below the footing.

A.2 BASEMENT AND INACCESSIBLE CRAWL SPACE CONSTRUCTION

Apply along the exterior foundation perimeter by trenching and rodding into the trench or trenching at the rate of 4 gallons finished dilution (0.06%, 0.09% or 0.125% **Termidor 80 WG**) per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. When trenching in sloping or tiered soil, the trench must be stepped to ensure adequate distribution and to prevent **Termidor 80 WG** from running out of the trench. The finished dilution must be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treatment zone but in no case more than 12 inches apart. However, in no case should the structure be treated below the footing.

Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used with rod holes no more than 12 inches apart. Drilling and sub-slab injection treatment of sub-soil is necessary for exterior concrete structures adjoining the foundation such as patios, porches and sidewalks, to complete the exterior perimeter treatment zone. For driveways, exterior drilling is necessary only around building supports or wall elements that are permanently and physically located at driveway joints. In no case should the structure be treated below the footing.

If termite activity is found inside an inaccessible crawl space, the area with termite activity must be treated. A localized interior treatment must be made at the site of

the termite activity and at least 2 feet in both directions from the termite activity. Choose the appropriate application technique for treating **INACCESSIBLE CRAWL SPACE CONSTRUCTION** from the Conventional treatment section of this label.

A.3 ACCESSIBLE CRAWL SPACES

BEFORE TREATMENT: Turn off any air circulation system that moves air from area to be treated to an untreated interior space of the structure until application has been completed and all Termidor® 80 WG termiticide/insecticide has been absorbed by the soil.

For crawl spaces, apply vertical termiticide treatment at the rate of 4 gallons of 0.06%, 0.09% or 0.125% **Termidor 80 WG** per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat outside the foundation and around all piers and pipes. Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Drilling and sub-slab injection treatment of subsoil is necessary for exterior concrete structures adjoining the foundation such as patios, porches and sidewalks, to complete the exterior perimeter treatment zone.

Read and follow mixing and use directions on this label if situations are encountered where the soil will not accept the full application volume.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The 0.06%, 0.09% or 0.125% **Termidor 80 WG** dilution must be mixed with the soil as it is replaced in the trench.

A.4 GARAGES: Attached garage floors should be treated in structures.

SUB-SLAB INJECTION

Sub-slab injection treatments can be made from inside the garage or in cases where this not possible, by drilling through the foundation from the outside as directed below. Prior to making any treatments, locate all heating/air conditioning ducts, vents, water/sewer lines, and electrical lines/conduits.

Vertical Drilling/Injection: To treat under the slab, drill vertically through the slab along the interior perimeter of the garage foundation. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. It may be necessary to drill holes along one side of the slab adjacent to an interior partition wall if there is clear evidence of termite activity or damage in the wall. All drill holes through the slab should be spaced so as to achieve a continuous treatment zone but in no case be more than 12 inches apart. Inject a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, application should be made with a lateral dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material such as Portland cement.

Horizontal Drilling/Rodding/Sub-slab Injection from the Exterior of the Garage Foundation: This technique should be used to treat underneath the slab only when interior design does not allow for vertical drilling. Care must be exercised not to rod into heating ducts, water/sewer lines, and electrical lines/conduits. Horizontal short-rodding practices can be used to establish a continuous treatment zone along the inside perimeter of the foundation. Holes should be drilled from outside the foundation at an angle which allows a finished dilution (0.06%, 0.09% or 0.125%) of **Termidor 80 WG** to be deposited below heating ducts, water/sewer lines, and electrical conduits if present. Horizontal long rodding practices may only be employed to treat areas underneath the slab that are not accessible by vertical rodding or horizontal short rodding. Long rods exceeding 20 feet should not be used. For all horizontal rodding applications, all drill holes through the foundation should be spaced so as to achieve a continuous treatment zone but in no case be more than 12 inches apart. Inject a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, make applications with a lateral dispersal nozzle. All holes must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material such as Portland cement.

B. LOCALIZED INTERIOR TREATMENT:

Targeted interior applications may be made to vulnerable areas such as around plumbing/utility lines penetrating floors, bath and/or shower traps, or along expansion joints or settlement cracks as part of a complete treatment. However, if known termite activity exists (as described above in the section on general information) in areas inside the living spaces (occupied areas of the structure) or non-living spaces (such as crawl spaces, plenums, etc.) of the structure, a localized interior treatment must be made in the immediate vicinity (at least 2 feet in two or more directions radiating from the site) of the termite activity.

B.1 INTERIOR CONCRETE FLOOR

If termite activity occurs in an interior wall or structural member, the area under the floor and behind the wall adjacent to the evidence must be treated with **Termidor 80 WG** at 0.06%, 0.09% or 0.125% finished dilution at a rate equal to 4 gallons per 10 linear feet. This localized interior treatment must be made at the site of the termite activity and at least 2 feet in two or more directions radiating from the site. Foam can be used to maximize dispersion. Drill holes in commonly occupied areas must be plugged with a non-cellulose material or covered by an impervious, non-cellulose material such as Portland cement.

B.2 HOLLOW BLOCK FOUNDATIONS / VOIDS

If termite activity occurs in or in the vicinity (within 2 feet) of hollow block foundations or voids in masonry resting on the footing, the wall adjacent to the evidence must be drilled, if not openly accessible, and **Termidor® 80 WG termiticide/insecticide** at 0.06%, 0.09% or 0.125% finished dilution must be injected into the void at a rate equal to 2 gallons per 10 linear feet of footing using a nozzle of 25 p.s.i. or less. This localized interior treatment to hollow block must be made at the site of the termite activity and to areas above the termite activity. Treatment must be made at least 2 feet in two or more directions radiating from the site of termite activity or along the wall pier or support post. Foam can be used to maximize dispersion. When using this treatment, access holes should be drilled below the sill plate and should be as close to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment. All leaks resulting in the deposition of **Termidor 80 WG** in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the clean up is completed. The drilled holes in commonly occupied areas must be plugged with a non-cellulose material or covered by an impervious, non-cellulose material such as Portland cement.

B.3 Bath Traps: If termite activity is observed within 2 feet of the bath trap, then exposed soil or soil covered with tar or similar sealant around plumbing and/or drainpipe entry areas must be treated. Tar or sealant may have to be removed to allow for adequate soil treatment. An access door or inspection portal should be installed if one is not already present. After inspection and removal of all wood/cellulose debris, the soil can be treated by rodding or drenching the soil with a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG**. Treat with a minimum of 1 gallon to a maximum of 4 gallons of finished dilution per square foot.

B.4 Shower Drains: If termite activity is observed within two feet of the shower drains, then soil beneath and adjacent to shower drains must be treated. Drill through slab adjacent to shower drain and apply 0.06%, 0.09% or 0.125% finished dilution of **Termidor 80 WG** by sub-slab injection to the soil below. Foam can be used to maximize dispersion. Multiple access points may be drilled adjacent to the drain. A directional dispersion tip may be used to enhance treatment of the soil below the drain. Treat soil with a minimum of 1 gallon but no more than 4 gallons finished spray dilution per shower drain. Horizontal rodding can be used to access and treat the soil associated with the shower drain.

RETREATMENT INSTRUCTIONS

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the treated zone due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide treated zone in the soil. These vulnerable or reinfested areas may be retreated using a spot, partial or complete treatment(s) in accordance with application techniques described on this label. The timing and type of these retreatments will vary depending on factors such as termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the treated zone. Annual re-treatment of the structure is prohibited unless there is clear evidence that reinfestation, treatment zone disruption and/or evidence of breakdown has occurred.

USE WITH OTHER PRODUCTS

When a borate-based termite control product is used as the primary pre-construction treatment for subterranean termites and is applied in according to label directions-for-use, **Termidor 80 WG** may be applied as an exterior perimeter pre-construction treatment using 0.06%, 0.09% or 0.125% dilution. If the exterior perimeter pre-construction treatment option is selected, **Termidor 80 WG** must be applied to provide a continuous treated zone along the exterior foundation of the structure. A complete and thorough horizontal pre-construction treatment with **Termidor 80 WG** under the concrete slab is optional. **Termidor 80 WG** may also be applied to critical areas of the interior of the structure. These areas include plumbing and utility entry sites, bath traps, shower drain penetrations, expansion joints, foundation cracks, and areas of known or suspected termite activity.

For applications to the exterior perimeter and critical areas follow the instructions in the POST-CONSTRUCTION EXTERIOR PERIMETER/LOCALIZED INTERIOR (EP/LI) STRUCTURAL TERMITE TREATMENT section of this label.

POSTS, POLES, WOOD LANDSCAPE ORNAMENTATION

DO NOT contaminate wells or cisterns.

Preventative Treatment: Create a continuous treatment zone in the soil around wooden posts, poles, fence posts, signs or landscape ornamentation. Apply a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** at the rate of 4 gallons per 10 linear feet per foot of depth. For treatments made during installation, the finished dilution may be applied to soil as it is replaced around the post or pole. The finished application should place termiticide to a depth of six inches below the bottom of the posts, poles, or other wooden items in contact with the soil.

Curative Treatment: Previously installed poles, posts, landscape ornamentation, or signs may be treated with a 0.06%, 0.09% or 0.125% finished dilution of **Termidor 80 WG** by sub-surface injection or treated by gravity flow through holes made from the bottom of a trench around the pole or post. When trenching, the trench need not be wider than 6 inches wide and 6 inches deep. When sub-surface injecting, treat all sides to create a continuous treatment zone. Apply to a depth of six inches below the bottom of the wood.

TERMITES ABOVE GROUND

For control of termite aerial colonies or drywood termites. In localized areas of wood structures, apply at a 0.06%, 0.09% or 0.125% dilution of **Termidor 80 WG** to areas of wooden members/voids. Application may be made to inaccessible areas by drilling, and then injecting the finished dilution with a crack and crevice injector into the damaged wood or void spaces.

Termidor® 80 WG termiticide/insecticide foam applications may be made to void spaces.

Termite carton nests in trees or building voids may be injected with 0.06%, 0.09% or 0.125% dilution using pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

After application, the applicator is required to check for leaks resulting in deposition of treatment dilution in locations other than those prescribed on this label. When found, this material must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean up is completed.

DO NOT TREAT FRUIT OR NUT-BEARING TREES.

DIRECTIONS FOR USE TO CONTROL PERIMETER PESTS

USE RESTRICTIONS

- Only protected applicators wearing personal protective equipment as required by this product label may be in the area during application.
- **DO NOT** treat within a distance of one foot out from the drip line of edible plants.
- **DO NOT** contaminate public and private water supplies.
- **DO NOT** use in tanks with borate contaminants.
- **DO NOT** apply to wasp or hornet nests if they are not attached to or inside the structure.
- **DO NOT** make treatments while precipitation is occurring.
- **DO NOT** allow residents, children, other persons or pets into the immediate area during application. **DO NOT** allow residents, children, other persons or pets into treated area until sprays have dried. After application, the applicator is required to check for leaks resulting in deposition of treatment dilution in locations other than those prescribed on this label. When found, this material must be cleaned up prior to leaving the application site. **DO NOT** allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean up is completed.
- **DO NOT** spray air conditioning units or air intake vents.
- **DO NOT** use indoors except for applications into wall voids.

PERIMETER PEST TREATMENT

Use **Termidor 80 WG** to kill and provide residual control of the following pests:
ants (acrobat, Argentine, big-headed, carpenter, crazy, odorous, pavement, pharaoh, thief)

Use **Termidor 80 WG** to kill the following pests:
beetles (Asian lady, darkling);
bugs (box-elder, pill);
centipedes;
cockroaches (Australian, Oriental, smokey brown);
crickets, house;
earwigs, European;
flies, cluster;
millipedes;
silverfish;
spiders (black widow, brown recluse, cellar, hobo);
ticks, brown dog;
wasps, paper*;
yellow jackets

***Termidor** is not a knockdown agent.

Apply a 0.06% dilution of **Termidor 80 WG** to kill/control listed perimeter pests.

MIXING INSTRUCTIONS

Termidor 80 WG is formulated as a dry powder containing 80% active ingredient and is packaged in water soluble packages (paks). Paks are contained inside a resealable plastic overpacking container. **DO NOT** allow paks to become wet prior to adding to the spray tank. **DO NOT** handle the paks with wet gloves. **DO NOT** handle the paks roughly as such handling may cause breakage of the water soluble packaging. If a pak gets wet prior to placement in the spray tank, return the "wet" pak to the resealable overpacking container. This "wet" pak can still be used. Pour the contents of the "wet" pak directly into the spray tank, following the mixing directions below. Unused paks need to be re-sealed in the plastic overpacking container. To prepare the spray mixture, remove the paks from the overpacking container and follow the following mixing instructions. To prepare 25 gallons of a 0.06% spray dilution, add 1 pak of **Termidor 80 WG** to the treatment tank already 1/4 - 1/3 filled with water. Filling hose must be equipped with an anti-backflow device or water flow must include an air gap to protect against back siphoning.While agitating add more water to make 25 gallons of finished dilution.

To make treatment, continue agitation and apply with a low-pressure sprayer. Apply 0.06% **Termidor 80 WG** finished dilution to the structure exterior as a low-pressure coarse spray where listed pests enter the structure, trail around the structure or where they crawl and hide. Also apply around doors, windows, vents, pipes or any other openings (including foundation cracks or drilled holes) where listed pests could enter the structure. Be especially careful to treat the joint where exterior siding (wood, vinyl, aluminum or any similar material) meets the cement, block or brick foundation. Treat areas where any wires (electrical, telephone or cable) enter the house. This treatment should be made as a general surface spray, crack and crevice spray or wall void application. **Termidor 80 WG** foam applications may be made to wall voids to kill/control listed pests.

Apply 2 quarts of 0.06% **Termidor 80 WG** finished spray per 160 linear feet. (This rate is approximately 1.5 gallons finished spray per 1000 square feet).

Refer to the **Foam Applications** section of this label for specific foam mixing and application instructions.

Except for foam applications into wall voids, application is limited to an area one foot out from and one foot up from the where the ground meets the foundation. **DO NOT** exceed the maximum of two applications per year. If nests are found on the ground within one foot of the

foundation, treatment of **Termidor® 80 WG termiticide/insecticide** can be made to these nests.

It is recommended to remove or prune away shrubbery, bushes, and tree branches touching the structure. Vegetation touching the structure may offer a route of entry for ants into the structure. This may allow ants to inhabit the structure without coming in contact with the treatment.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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