

Termite Control “PostT1” Package:

This package includes the following:

- DFS Termite Control Services by creating chemical barrier in the building as per the detailed process as mentioned in this document in next pages.
- Warranty: **1 Year**
- Major DFS Service included in the contract: **One**
- Manual Checkup included in the contract which is done by technicians wherein they physically inspect for the tell-tale signs such as dampness, discolouration, swelling on the furniture/walls/ wooden floors and by asking the local cleaning staff: **3**

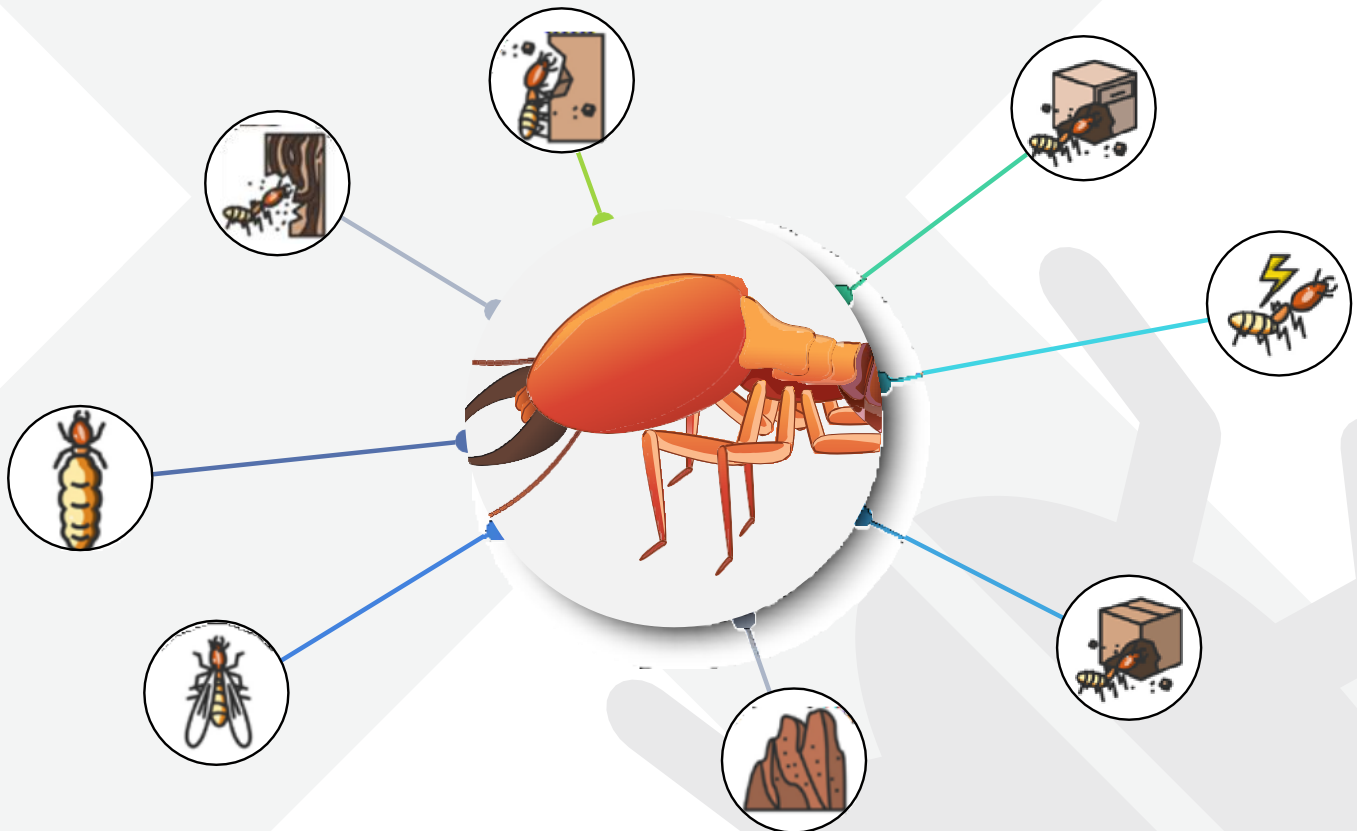
TERMITE COntROL

POst-t1

Subterranean termites

Subterranean termites are social insects that live in colonies in the soil. They feed on a variety of cellulosic materials as their principal energy source. Subterranean termites coexist in soils with many other microorganisms, especially fungi.

They can damage wooden fixtures and furniture at home, office, factory and any other buildings. The wood becomes hollow and soft and filled with moisture which further causes discoloration. The wall looks ugly and you need repainting along with termite control.



In case of wooden floorings, first they weaken the inner wooden framework which supports the floor causing floorboards to swell, discolour, loosen up fittings and also cause strange irritating sound.

Termites are hidden monsters that can destroy all the important documents (such as certificates, house papers, passports, precious books, legal documents, and sometimes currency notes), garments and other stuff in a wardrobe. (Very common in termite prone areas)

Termite mud/soil tubes spoil the aesthetics/beauty of the property as they become visible near wall painting and wall papers, switchboards, false ceilings, AC frames, wooden wall panels and floorings, along the utility lines (Electricity, plumbing, AC ducting etc. Doors and window frames)

Termite control in a constructed building explained in details:

POst-t1

- Injection of Chemical Emulsion by Drilling on Walls
- The skirting is to be drilled on the walls above the tiles, one by one, in such a way that the tiles do not crumble
- Injection of chemical emulsion by drilling a one-to-one fit between frames and adjacent walls
- Chemical - Imidacloprid 30.5 SC
- Emulsion Ratio - 2.1 ml of chemical (imidacloprid) per liter of water
- After drilling and then injecting chemical emulsion, will seal it with white/grey cement.
- We will also be spraying all the expansion joints in the basement. Drilling on expansion joints is not recommended.



Termite Workers



Termite Soldiers



Termite Alates



Termite King



Termite Queen



TERMITE CONTROL

Termite Control in Existing Building

POst-t1



Molecule #1

| | |
|---------------------|--|
| Active Ingredient | Imidacloprid 30.5% SC |
| Reputed Brands | UPL, Bayer |
| Uses | Imidacloprid 30.5% SC is choice number one for Post-construction anti termite treatment. It is completely odourless and hence NO need to keep the building closed. |
| Mode of Action | Imidacloprid is designed to be effective by contact or ingestion. It is a systemic insecticide that translocates rapidly through plant tissues following application. Imidacloprid acts on several types of post-synaptic nicotinic acetylcholine receptors in the nervous system. |
| Features & Benefits | <ul style="list-style-type: none">• Non-repellent insecticide which does not allow the termites to detect the gaps in the barrier formed due to improper application• Premise does not kill termites immediately on contact and allows more termites to be exposed to treated soil thus giving a better control• Exposed termites transfer toxicant to nest mates not directly exposed to soil, causing indirect mortality |
| Dosage & Antidote | <ul style="list-style-type: none">• Dose: Dilute 2.1 ml of formulation in 1 L of water for the control of termites in buildings during pre and post-construction anti termite treatment.• Antidote: There is no specific antidote for neonicotinoid agents. Atropine and oximes may be administered inadvertently because of the clinical presentation |

TERMITE CONTROL

Termite Control in Existing Building

POst-t1



Molecule #2

Active Ingredient Fipronil 2.92% EC

Reputed Brands Bayer

Uses Agenda is also very popular choice for termite treatments. Although for making choice of chemicals, several factors have to be considered such as soil type, length of protection, structure type, etc

Mode of Action Fipronil disrupts normal nerve influx transmission (e.g. passage of chloride ions) by targeting the GABA-gated chloride channel, causes excessive neural excitation, severe paralysis, and insect death. It is also considered a selective GABA antagonist because it shows a greater binding affinity to insect than to mammal GABA receptors.

Features & Benefits

- Non-repellent & odorless termiticide, hence termites cannot recognize the gaps present in the chemical barrier
- Gets readily transferred between one termite and another, through contact, trophylaxis and grooming - Domino effect
- Good soil binding properties facilitate the retention of active ingredient, minimal leaching potential into ground water
- Long term protection and colony management
- Flexible in use - Can dilute in oil or water

Dosage & Antidote

- Dose: Post Construction: 15 ml / 1 ltr. of water and Pre Construction: 25 ml / 1 ltr. of water
- Antidote: In mammals (including humans) fipronil overdose is characterized by vomiting, agitation, and seizures. Intravenous or intramuscular benzodiazepines are a useful antidote.

TERMITE CONTROL

Termite Control in Existing Building

POst-t1



Molecule #3

Active Ingredient

Bifenthrin 2.5% EC

Reputed Brands

UPL, FMC

Uses

Bifenthrin is a great product for pre construction anti termite treatments where we have to create chemical barrier in the soil for very long residual period. It is highly stable and it bonds well with soil & provides long term protection.

Mode Of Action

Bifenthrin is designed to be effective by contact or ingestion. Bifenthrin is a Type I pyrethroid that affects the central and peripheral nervous system by interfering with sodium channel gating. Pyrethroids delay the closure of the sodium channel.

Features & Benefits

- Bifenthrin TC solves termite problems in two ways. Not only does it work quickly to kill active termites, it also creates an invisible protective barrier that surrounds your structure to repel termites.
- Can be applied to acidic as well as alkaline soils.
- No airborne toxicity

Dosage & Antidote

- Dose: 1ltr in 49 ltr of water for floor or 1ltr in 49 ltr of Kerosine/terpentine for wooden treatment.
- Antidote: There is no specific antidote, treat symptomatically and supportively.

TERMITE CONTROL

Termite Control in Existing Building

POst-t1



Molecule #15

Active Ingredient Chlorpyrifos 20% E.C

Reputed Brands UPL

Uses

Chlorpyrifos 20% E.C has long been in use for anti termite treatments. it is an organophosphate insecticide. It has contact, stomach, and fumigant action. The relevant IS code for Chlorpyrifos 20% E.C is IS 8944.

Mode of Action

Chlorpyrifos is a broad-spectrum insecticide which kills insects upon contact by affecting the normal function of the nervous system. Chlorpyrifos affects the nervous system by inhibiting the breakdown of acetylcholine (ACh), a neurotransmitter. It acts on insects by contact and stomach mode of action. It also exhibits fumigation action.

Features & Benefits

- Broad spectrum of strong contact and stomach poison with fumigant action.

Dosage & Antidote

- Dose: 1ltr in 19 ltr of water
- Antidote: Poisoning is treated with atropine and simultaneously with oximes such as pralidoxime. Atropine blocks acetylcholine from binding with muscarinic receptors, which reduces the pesticide's impact.