



In Association with



“Great Projects, greatest of architects and best of interior designers which don't look good, why ? - the most common reason is poor Planning and Common Mistakes, which should not be ignored.” - Vinay & Rashmi

Pest Control your building:

Renovation of old buildings and the construction of new ones can both benefit from the consideration of pest control, even before the project gets started. Because of way that construction projects happen, sites are inherently attractive to various pests, such as rodents, insects, spiders, and even termites. Planning for pest control ahead of time will help you not only prevent infestations during the construction phases, but also build in a smart way that can help to keep pests out for years to come.

Renovation and new construction pest control should be considered during these three phases of the process: Before, During, and After Construction.

1.Before Construction

Whether starting afresh with a brand new site, or renovating an old one, working with a pest control professional will help you address some important issues ahead of time, such as:

Termite Treatment. A new construction termite treatment helps to form chemical barrier to protect your building from later infestations. This may include treating the soil prior to any slab placement, as well as specifically treating the areas where wooden doors, cabinets, and other items will be placed.

Monitoring. Pest monitors help to assess the surrounding area so you can be aware of what types of pests are nearby and how you might prevent infestation of your building site.

Water Sources. Always an attraction for pests, water sources such as ponds and lakes nearby should be considered when managing pest control for a construction site. If your property is not appropriately graded, puddles may begin to form around the site, which is attractive to termites, mosquitoes, and other pests.



2.During Construction

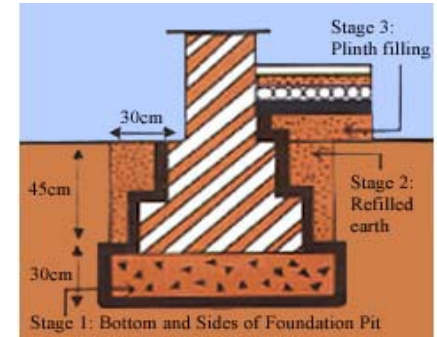
In the midst of construction phases, many details need attention. Renovation or new construction pest control might seem trivial, but don't underestimate the opportunities for pests to invade your work site. Work with your construction team and pest control expert to actively address pest control on your construction site by keeping these things in mind:

Be mindful of waste spread about the construction site that may be attractive to pests. Human food, cardboard, wood, and other items used during the process might create a food source or habitat for certain pests.

Remember that new construction may be disrupting the existing habitat of a pest population—particularly of the rodent variety. Get the help of a pest control expert during construction to set traps or bait around the exterior of the construction site to eliminate the relocation of pest population into nearby areas.

Inspect all incoming materials for signs of pest infestation prior to bringing them onto the site, particularly in the case of wood that might be infested with termites.

Take the advice of a pest control expert on how to prevent termites. This may include using chemicals in areas of excavation, perimeters, pipe beddings, and other places where termites might be attracted.



3.After Construction

Look for pests during the wrap-up and move in phases of construction. During this time, many “kinks” will often be worked out in the way the building has been constructed, and pest control is just one of these factors.

Look for cracks and holes through which pests might be able to crawl, then seal them up. Be diligent about recycling paper and cardboard immediately, as this can become a draw for certain pests.

Install sodium vapor lights around the building exterior, which is less attractive to pests than traditional incandescent or fluorescent lights.

Landscape wisely to keep shrubs at least two feet away from structures, and choose plants that are less likely to attract insects. **Consult your pest control professional to perform complete termite prevention within the walls, wood, masonry voids, and other places to create a termite-proof barrier around the house.**

Keeping pests at bay during all of the phases of construction or renovation can be accomplished through cooperation between your site manager and a pest control professional.

A pest inspection within 90 days or so after move-in may be recommended to ensure that the pest control plans have been successful. An ongoing service schedule by pest control experts will keep critters away for the long term.



As per Bureau of Indian standards ,Major stages of termite protection for a new home are as depicted below.

- i). Bottom and Sides of Trenches of Foundation
- ii). Backfill in Immediate Contact with Foundation .
- iii). Junction of Wall and Floor.
- iv). Top Surface of Plinth Filling
- v). External Perimeter of Building.

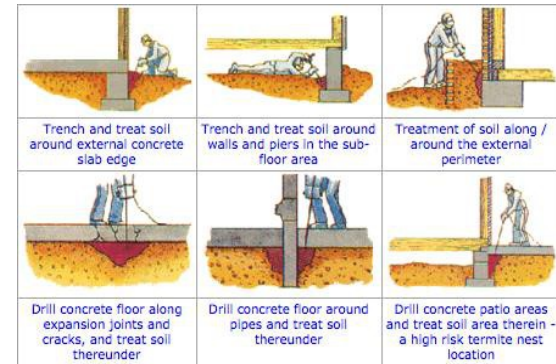
The stages mentioned below are the major stages are very important and essential to Prevent and Treat Termites in New Construction.:

Stage -1 : Bottom and sides of the trenches of Foundation

The first stage i.e Anti termite treatment to foundation is carried out after the excavation of the trenches is complete. The bottom surface and the sides (upto a height of about 1 feet) should be treated with the chemical emulsion made chemicals listed above at recommended concentrations. masonry foundations and basements should be treated with the chemical emulsion @ 5 lit. per sq. mtr of the surface area.

Stage-2 : Backfill Treatment

After the masonry foundation treatment and when the retaining wall of the basements come up, the backfill in immediate contact with the foundation structure should be treated at the rate of 7.5 litre per sq. mtr. of the surface area .



Stage-3 : Wall floor Junction treatment

It is important to establish continuity of the vertical chemical barrier on inner wall surface from ground level up to the level of the filled earth surface. To achieve this, a small channel 3 cm x 3 cm shall be made at all the wall floor junction and rod holes made in the channel up to the ground level 15 cm apart and treating it with the anti termite emulsion.

Stage-4 : Plinth Filling Treatment

As per the Bureau of Indian standards, the top surface of the consolidated earth within plinth walls shall be treated with chemical emulsion @ 5 litres. per sq. mtr. of the surface before the stone bed or sub-grade is laid.

Stage-5 : External perimeter Treatment

After the completion of the building, the soil along the external perimeter of the building should be rodded at intervals of 15 cm and to a depth of 30 cm. By the forward and and backward movement of steel rod break up the soil and anti termite chemical be poured along the wall at the rate of 7.5 litres per sq. mtr. of the vertical surface area. This forms a chemical barrier for termites in soil.



However there are minor and miscellaneous stages also which should also be attended to make the building completely termite proof . These miscellaneous stages are as depicted below.

1.Expansion joints :- Expansion joints at the lower most floor level are one of the most common entry points for termites invasion. The perforated soil under these joints should be thoroughly treated @ 2 litres per linear metre. This is an important component of pre slab termite treatment.

2. Sanitary/plumbing inlet and outlet points :- The entry and exit points of waste and fresh water pipes are one of the most vulnerable areas. Special care should be taken around these areas as due to the constant moisture source these areas always remain prone to termite invasion. These areas should be liberally impregnated with anti termite emulsion by the method of spraying and injecting.

3. Electric conduits sites :- The electric conduits can prove to be easy path ways for the termite invasion. The termites use electric conduits as runways to move from one part of the building to the another or from one floor to another floor. Therefore the treatment of electric conduits and channels remain an integral part of pre treatment for termites.

VINAY AND RASHMI is an organization consisting of a young multidisciplinary team of professionals engaged in architectural and interior design.

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Towards a better world – Vinay & Rashmi

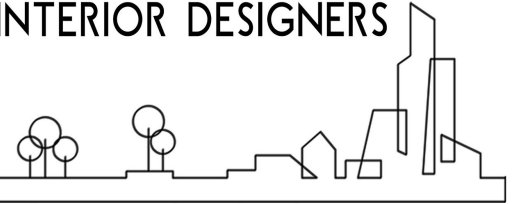


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