

PRE CONSTRUCTION TERMITE TREATMENT CHEMICALS

Scope of Work

Soil treatment for termites

It is utmost essential to consider the moisture level of **soil** before conducting the **anti termite treatment** . One should avoid treating the **soil** if it is moist due to underground water or rain water. Moreover, at least 24 hours of rain free period is essential after the **soil** has been treated with the **anti termite chemical** . Therefore one should consider weather forecast for the next 24 hrs while deciding the day and time of the start of the treatment. Once the soil treatment for termites has been carried out with the **anti termite emulsion** , laying of PCC should start only when the chemical emulsion has been thoroughly absorbed by the soil.

The pre construction termite control method primarily comprises of Four major stages. Apart from these four major **Pre treatment stages** the Bureau of Indian standards recommend two minor stages which are optional and left to the choice of homeowners. Termite being a soil pest, all four major recommended stages of the treatment are applied in the **soil** of the building. 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).Top Surface of Plinth Filling
- iv).External Perimeter of Building.

Termite treatment of backfill

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 @ 4 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

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-4

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 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**.

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

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