



PARAMOUNT PEST CONSULTANTS PVT. LTD.

Renowned Leader in Professional Termite Management in India



Paramount's '**PARASHIELD**' The invisible barrier for the “dwellers in the darkness”

Executive Leadership & Regulatory Excellence

Founded in 1981 by **Senior Director Shri. Arun Savalekar**, our organization has spent over four decades building an unmatched reputation for excellence. Today, the company operates under the visionary leadership of **Dr. Sarang Savalekar** -*Director, Paramount Pest Consultants Pvt. Ltd.*, who holds a distinguished Ph.D. in Termite Management.

As a premier, nationally recognized authority on termite biology and structural protection, Dr. Savalekar serves as an **Active Committee Member for the Bureau of Indian Standards (BIS)**. He pioneered research-backed technologies for both Pre- and Post-Construction Anti-Termite Treatments and directly provided the critical technical inputs used to formulate and revise the national code: **IS 6313 Part II & III**.

Leveraging this legacy of scientific innovation and regulatory expertise, we proudly introduce our next-generation termite management infrastructure:

'PARASHIELD' Integrated & Professional Reticulation Piping System



System Overview

The “**PARASHIELD**” system is an advanced, built-in termite management infrastructure engineered for the seamless, periodic application of termiticides within and around a building's footprint. By deploying a strategic network of specialized porous piping beneath the plinth-level flooring and along the external periphery, it establishes a permanent, proactive sub-floor barrier against subterranean termites.



The Ultimate Advantage

This system allows for controlled chemical re-treatments over the entire lifecycle of your structure—**completely eliminating** the need for invasive floor drilling, structural damage, or commercial disruption.

Scientific Rationale

1. Subterranean Termite Behavior & Ingress Mechanisms

Subterranean termites actively forage for cellulose-based materials, typically infiltrating structures through concealed vertical pathways such as walls, RCC columns, and expansion joints. Lacking eyesight, worker termites exploit microscopic surface irregularities and localized moisture gradients to navigate upwards into the building fabric.

2. Mechanism of the “PARASHIELD” Barrier

“PARASHIELD” acts as a preventive sub-floor shield, establishing a continuous, homogenous chemical barrier. By intercepting potential foraging paths, this preventative chemical zone disrupts the termites' navigation and moisture-sensing vectors, successfully impeding ingress and neutralizing the threat of infestation before the insects can breach the building envelope.

Technical Specifications

1. Porous Pipe Installation

The infrastructure utilizes heavy-duty, high-density polyethylene (HDPE) porous pipes engineered for maximum structural durability and uniform chemical distribution. The installation layout is custom-adapted based on your construction phase:

A. New Construction (Under-Construction): Pipe loops are strategically positioned adjacent to all critical vertical RCC elements—including columns, retaining walls, and beams—at the Plinth Level to establish a highly targeted, repeatable chemical barrier.

B. Existing Structures (Renovation, Repair, or Retrofitting): Installed as a precautionary measure prior to flooring/tiling. The porous HDPE pipes are laid in a looped configuration on the compacted soil filling or over the PCC/structural slab before the sand bedding layer is applied.



Pressure Management Standard: Each localized loop is strictly limited to a maximum length of **100 linear meters** to ensure optimal flow velocity and uniform pressure distribution during high-pressure injection.

2. Washed Sand Bedding Buffer

- Following pipe placement, a layer of well-graded, washed sand is applied directly over the reticulation network to facilitate uniform lateral dispersion of the termiticide.
- This sand bedding layer also serves as a crucial protective cushion, safeguarding the porous pipes from structural damage during subsequent tile laying, flooring works, and masonry.

3. Termination & Secure Access Points

- The termination ends of each pipe loop are routed to accessible points on the wall surfaces according to the approved engineering layout.
- These access points are safely housed inside discrete, chemical-grade **Junction Boxes**, keeping them protected, secure, aesthetically hidden, and ready for future injection cycles.

4. Initial Termiticide Injection

Upon the successful completion of flooring works, an initial baseline dose of termiticide emulsion is injected into the PARARETIGUARD network using a specialized, motorized high-pressure injection pump.

Note: This initial application constitutes a one-time baseline injection and is fully included within the core scope of the installation contract.

5. Advanced Junction Box Provisions

All termination points are integrated into heavy-duty junction boxes equipped with chemical-resistant fixtures. This layout guarantees hassle-free, repeatable future re-injections and system maintenance without any demolition, floor chipping, or surface penetration.

6. Post-Installation Treatment Policy

- Periodic re-injection/re-treatment is recommended over the lifecycle of the structure, depending on localized soil conditions, moisture levels, and site-specific termite risk assessments.
- Subsequent maintenance chemical injections through the PARARETIGUARD network are not part of the initial installation contract and will be chargeable to the client at the prevailing company service rates at the time of service.

Approved Formulations Only:

- **Imidacloprid 30.5% SC**
(Manufactured by Envu / Sumitomo/Syngenta)
- **Fipronil 2.92% EC**
(Manufactured by Envu/ Sumitomo/Syngenta)
- **Bifenthrin 2.5% EC**
(Manufactured by FMC)

Contact us today to protect your property...!



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