



DURA ANTI-TERMITE

PRODUCT DATA SHEET

- ADMIXTURES
- ADHESIVES
- WATERPROOFING
- SURFACE TREATMENTS
- CONCRETE REPAIRS
- INDUSTRIAL FLOORINGS
- SEALANTS
- FUMIGATION
- GROUTS & ANCHORS

Dura Anti-Termite is a cutting-edge, eco-friendly termite control solution. With a unique formulation of Fipronil-based chemicals, it effectively targets and inhibits the production of GABA (gamma-aminobutyric acid), a key enzyme in termites. This action prevents their destructive behavior and offers continuous protection against all types of termites and wood borers, ensuring a long-lasting defense for your property.

DIRECTIONS FOR USE

FOR PRE-CONSTRUCTION STRUCTURES:

- **Preparation:** Mix 5 liters of Dura Anti-Termite with water for every 10.5 square meters.
- **Application:** Apply the solution in foundation pits, the DPC level, and along the outer boundaries **before placing floor concrete.**

FOR POST-CONSTRUCTION STRUCTURES:

- **Preparation:** Drill holes 2 feet apart both inside and outside the walls, 1 to 2 feet deep.
- **Application:** Pour 2 to 4 liters of the solution into each drilled hole, sealing them afterward. Plug all holes securely post-treatment. Spray the solution on wooden doors, window frames, and other wooden fixtures.

FOR WOOD STRUCTURES:

- **Preparation:** Mix 1 liter of Dura Anti-Termite with 30 liters of kerosene oil.
- **Application:** Use a low-pressure spray pump to apply this mixture on wooden fixtures or furniture. For furniture, apply the solution directly to the surface.

PACKAGING

Dura Anti-Termite is available in the following packaging options:

- 500 mL Bottle
- 1 Liter Bottle
- 5 Liter Bulk Packaging
- 20 Liter Drum (for large-scale applications)

Each package is securely sealed to maintain product integrity during storage and transportation. For bulk orders, customized packaging options are available upon request.





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HEALTH & SAFETY

- Always wear protective goggles, gloves, and a mask during application to avoid direct contact.
- Ensure the material is kept away from children, animals, and food.
- In the case of accidental ingestion, seek immediate medical attention.
- Do not apply the product during rain or strong wind conditions.

FORMULATION AND ITS MECHANISM OF ACTION

Dura Anti-Termite is an advanced termite control solution, leveraging the powerful properties of **Fipronil**, a non-systemic insecticide known for its broad-spectrum efficacy. The formulation is meticulously designed to target and disrupt the neurophysiological processes of termite colonies, primarily through its interaction with the **GABA (gamma-aminobutyric acid)** receptors in the central nervous system of the pests.

Fipronil, the active ingredient, is an antagonist that selectively binds to **gamma-aminobutyric acid receptors (GABA-R)**. This binding inhibits the chloride ion channels, which are essential for the proper function of the **GABAergic neurotransmission**, ultimately causing a blockage in the natural neuroinhibitory process within the termite's nervous system. The resultant **hyperexcitation of neural impulses** leads to paralysis, loss of coordination, and ultimately, mortality of the pest.

Furthermore, the product's formulation enhances its **residual activity** through a carefully selected carrier base that ensures effective retention on treated surfaces. This base allows for **slow release** of the active ingredient, ensuring prolonged activity even in unfavorable environmental conditions such as moisture exposure and UV degradation.

In addition, Dura Anti-Termite's **phyto-toxicological safety profile** is integrated through bio-chemical stabilization, preventing any non-target effects, such as phytotoxicity to vegetation or adverse environmental impacts. This meticulous design ensures the formulation remains **target-specific** to termites and wood borers while minimizing collateral effects on the ecosystem.



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WARRANTY:

DURATECH Construction Chemicals ("DURATECH") affirms and warrants exclusively that its products shall be devoid of any defects in materials and workmanship for a duration of six (6) months from the date of purchase. Without written authorization from a designated DURATECH officer, no other statements or representations made by DURATECH or its representatives, whether conveyed in written or oral form, shall have the authority to modify this warranty. DURATECH explicitly DISCLAIMS ALL WARRANTIES, IMPLIED OR OTHERWISE, pertaining to the merchantability or fitness for ordinary or specific purposes of its products. In the event of any DURATECH product failing to meet this warranty, DURATECH commits to replacing the product at no expense to the Buyer.

The replacement of the product stands as the sole and exclusive remedy available, and the Buyer shall not have any entitlement to claims for incidental or consequential damages. Any claims under this warranty must be initiated within one (1) year from the date of the alleged breach. DURATECH expressly does not empower any individual on its behalf to make written or oral statements that would alter the installation information or instructions found in its product literature or on packaging labels. Any installation of DURATECH products that deviates from such information or instructions will result in the voidance of this warranty. Product demonstrations, if conducted, serve purely as illustrations and do not constitute a warranty or modification of any nature. The Buyer assumes complete responsibility for evaluating the suitability of DURATECH's products for their intended purposes



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