

PRODUCT SPECIFICATION

IMIFORCE 200 SC TERMITICIDE

Effective Date: July 25, 2024

Printed Date: September 30, 2024

Registration No. ๖๑๘. 951/2554 (Thai FDA)

Description For the use in the management of subterranean termites.

Active Ingredient Imidacloprid 20% w/v

Ingredient

Specification Appearance : White - Gray liquid
pH Value : 5.00 - 7.00 at 25°C
Specific Gravity / Density : 1.070 – 1.090 Kg/Lt at 30°C

Direction to Use RESTRAINTS

DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid run-off of chemical.

DO NOT disturb the treated soil barrier with subsequent construction of additions or alterations, paths, steps, flower beds, etc.

DO NOT use at less than indicated label rates.

DO NOT use in cavity walls (except for direct treatment of a nest).

SITUATIONS	PEST	RATE	CRITICAL COMMENTS
<u>Existing Buildings:</u> Barrier treatments for existing buildings including domestic, industrial, government and commercial premises Also applicable to external barriers (only) around new buildings	Subterranean termites (Except <i>Mastotermes darwiniensis</i>) <i>Mastotermes darwiniensis</i>	<u>Spray solution:</u> 250 mL per 100 litres of water 500 mL per 100 litres of water	(See also general instructions) Mix the required quantity of IMIFORCE 200SC Termiticide in water and apply using suitable application equipment to form a complete and continues barrier around and under the structure. The barrier may be created using a combination of conventional spraying and trenching along with soil rodding. Concrete foundation slabs and paths around the structure should be drilled and injected with IMIFORCE 200SC Termiticide solution including along the expansion joints, edges and cracks. In some cases the use of wetting agents or foaming agents may be useful in overcoming non-wetting soils getting a more

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			<p>even application in areas of difficult access or soil subsidence.</p> <p>If the barrier is disturbed by earthworks, construction or severe drainage problems it will have to be restored by reapplication</p>
Service poles and fence posts			<p>For <u>new posts</u> treat the bottom of the hole and the backfill using a minimum of 10 L of solution per hole. For <u>existing posts</u> create a continuous barrier 150 mm wide by soil rodding or spraying the backfilled soil to a depth of 450 mm. Infested posts may also be drilled and injected with spray solution. Note that it is impossible to treat the soil at the bottom of a sound post so future attack via this route cannot be ruled out.</p>
Nests in wall cavities, poles and trees			<p>Locate the nest by drilling into the wall, pole or tree. Make sure that the full size of the nest is identified especially the highest point. Apply at least 20 litres of IMIFORCE 200SC Termiticide be sealed after application. Note: application to wall cavities behind plasterboard may result in water/mud staining of the plasterboard. Use of a dry foam application can reduce this risk and improve distribution within the wall cavity.</p>
Reticulation Systems:	Subterranean Termites (except <i>Mastotermes darwiniensis</i>)	<p><u>Spray solution:</u></p> <p>250 mL per 100 litres of water</p>	<p>The system (refer to the general instructions) must be installed according to the manufacturer's specifications. IMIFORCE 200SC Termiticide must only be applied via a reticulation system that has been installed with a prepared sand/soil bed of a minimum depth of 100 mm and even compaction. If not possible alternative termite protection needs to be arranged for the areas omitted (see General Instructions for further system</p>

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Perimeter and/or service penetration treatment	Mastotermes darwiniensis	500 mL per 100 litres of water	requirements). The system installer must ensure that the installation will result in the application of not less than 250 mL (500 mL for Mastotermes darwiniensis) of product per m ³ of soil applied in a continuous treated and diluted solution applied by a system is dependent on the parameters of the particular system and the type of soil type being present respectively. Guidelines should be sought from the manufacturer. For a barrier with dimensions of 300 mm deep x 150 mm wide, 5 L per linear metre is suitable for perimeter and/or service penetration only systems. This will be different for systems treating a different volume of soil.
Complete under slab installations			For the horizontal barrier under the slab not less than 50 mL (100 mL for Mastotermes darwiniensis) of product is required per m ² . In addition, the system installer must also ensure that a prepared sand/soil bed of 100 mm depth is provided across the whole of the under slab installation to ensure complete horizontal coverage of the product.

Mixing

To ensure good mixing:

1. Thoroughly clean the s spray equipment to remove residues of other formulations from the equipment before using **IMIFORCE 200SC Termiticide** for the first time; and
2. Prior to pouring, shake container vigorously. Then premix the required quantity of **IMIFORCE 200SC Termiticide** with water in a clean bucket before adding it to the half filled d spray tank then top up to full volume. Allow the contents of the tank to be recirculated.

Note that at the recommended dilution rate **IMIFORCE 200SC Termiticide** will usually

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dissolve to a clear solution with only a faint odour.

Soil preparation

In soils where wetting is difficult, it will be necessary to loosen the soil prior to treatment t (to a depth h of at least 80 mm for horizontal barriers and to below the top of the footing for vertical barriers), creating a trench to confine the spray solution to the area to be treated and it may be necessary to add a wetting agent to the spray solution. These actions will help to avoid the spray solution running off before it can soak into the soil.

It is recommended that application volumes given in the directions for use table be used wherever possible, However where so soil conditions will ill not accept application of 100 L/m³, the concentration of **IMIFORCE 200SC Termiticide** in the solution should be doubled to 500-1000 mL per 100 L and then apply 50 L/m³ spray solution. When applying by injection through concrete to such soils, drill hole spacings should be reduced to 150 mm (1.5 litres per hole) before resorting to the application of higher concentrations in lower volumes.

Treatment of existing buildings

Authorized persons applying **IMIFORCE 200SC Termiticide** should be familiar with Australian Standard AS 3660 Series especially the section which specifies the procedures to provide a chemical soil barrier, and/or the appendix which shows the areas where barrier treatments should be applied to ensure no gaps in treatment.

Treatment of new buildings

IMIFORCE 200SC Termiticide cannot be used for the application of horizontal barriers prior to pouring a slab unless used in a reticulation system certified for that purpose. The initial underslab treatment shall be applied through the reticulation system as soon as possible after a 28-day period following the placement of the slab, but not more than 60 days after placement.

Horizontal barriers

At the perimeter, loosen soil to depth of at least 80 mm and 150 mm wide and apply at least 1.5 L of spray solution per lineal metre. Treatment volumes of up to 5 litres per metre are recommended, as the spray solution will penetrate deeper into the soil.

Greater volumes are also required where deeper barriers are needed as part of the termite management system. The use of a maker dye may assist in identifying soils that have been treated. NB The use of horizontal barriers is limited to the faces of solid building elements

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through which termites cannot gain concealed access (eg concrete slab or solid concrete piers). In all other vertical barriers should be employed.

Where access to sub floor areas is restricted by a clearance of less than 400 mm, the whole sub-floor soil surface should be treated at the rate of at least 5 litres of spray solution per m². Care must be taken to avoid spray shadows, e.g. behind piers.

Treatment beneath concrete slabs and paths. Horizontal barriers can also be applied by drilling through existing slabs. As uneven distribution is possible under the slab, increase the application on rate t to at least 10 litres of spray solution during application to ensure even distribution. If soil subsidence has occurred beneath the concrete, the use of a foam carrier may assist in treating critical areas.

Foam carriers may be useful in ensuring that a more even distribution is achieved. However it is important that the foam application be calibrated to ensure that the rate of **IMIFORCE 200SC Termiticide** formulation does not fall below 12.5 mL of **IMIFORCE 200SC Termiticide** 200 SC/m². Mix the appropriate concentration of **IMIFORCE 200SC Termiticide** in water and add the manufacturer's recommended quantity of foam agent (see table for foaming recommendations). Apply sufficient volume of **IMIFORCE 200SC Termiticide** foam alone or in combination with liquid solution to provide a continuous treated zone at the recommended rate.

Mixing table to prepare foam to treat 1 m²				
IMIFORCE 200SC Termiticide (mL)*	Litres of water	Foam expansion ratio	Volume of finished foam/m ²	Foam consistency
12.5	5	1:1 (i.e. not foamed)	5 L	Standard solution
	2.5	5:1	12.5 L	Wet foam ↑ ↓ Very dry foam
	5	5:1	25 L	
	2.5	10:1	25 L	
	5	10:1	50 L	
2.5	20:1	50 L		
5	20:1	100 L		

* Add the manufacturer's recommended quantity of foam agent to the **IMIFORCE 200SC Termiticide** solution

Drilling along cracks in slabs, expansion joints, walls and around service penetrations (e.g. plumbing/electrical). Holes should be drilled no further than 150 mm from the crack, wall, expansion joint or service penetration and should be between 150-300 mm

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apart.

The following table shows the recommended volume of spray solution required per hole at various drill hole spacings.

Hole spacing (mm)	Litres per hole	Soil type
150	1.5	Heavy clay
200	2.0	Clay loams
250	2.5	Loams
300	3.0	Sands

Drill holes must be resealed after application.

Vertical barriers

Vertical barriers require the application of at least 100 litres of spray solution per m³ of soil. Vertical barriers can be applied by either trenching or treating soil, as it is backfilled or by a combination of trenching and soil rodding at the bottom of the trench. Vertical barriers must extend down to 100 mm below the top of the solid footing if they are to be complete.

Note that termites may gain access behind engaged piers against single brick walls unless the soil is treated on both sides of the wall down to the footing.

Vertical barriers should be at least 150 mm wide with 1.5 litres of spray solution applied per linear metre per 100 mm depth of barrier. In most cases the product will soak into the soil below this depth so a minimum rate of 5 L per linear metre is recommended. When using soil rodding equipment the distance between each rod insertion should be no greater than 150 mm.

Packing 1 L, 5 L

Storage Store in the closed, original containers in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

Health and Safety

- Please observe the Precautionary statement and First Aid displayed on the container.
- For detailed information on the health and safety hazards and Precaution for use of this product, we refer to the Safety Data Sheet (SDS).

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