

CAUTION / VERSIGTIG

ULTRATHOR™

WATER-BASED TERMITICIDE
Reg. No. L9296 Act/Wet No. 36 of/van 1947

For sale to and use by registered pest control operators only

Slegs vir verkoop aan en gebruik deur geregistreerde plaagbeheeroperateurs



A suspension concentrate residual and contact insecticide for the control of subterranean wood destroying termites in and around buildings and structures

'n Suspensie konsentraat residuele en kontakinsedokoder vir die beheer van ondergrondse houtvretende termiete om en in geboue en strukture

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Fipronil (fiprole)..... 100 g/L
Fipronil (fiprool)..... 100 g/L

ENSYSTEX SOUTH AFRICA

Co./Mpy Reg. No. 2008/009219/07

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TEL: 080 367 9783

UN number: 3082
VN-nommer: 3082

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ENSYSTEX SOUTH AFRICA

www.ensystex.co.za

WARNINGS

- Handle with care.
- Harmful when swallowed, inhaled or absorbed through the skin.
- An eye and skin irritant.
- Toxic to bees and fish and harmful to other animals.
- Store in closed original container in a dry, cool, well ventilated area out of direct sunlight and away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.

PRECAUTIONS

- Avoid contact with eyes and skin and do not inhale fumes of spray mist.
- Wear protective clothing (protective gloves and boots and face shield) when preparing the spray mixture and during application.
- Do not eat drink or smoke whilst applying or mixing or before washing hands and face and change of clothing.
- Wash contaminated clothing daily.
- Wash hands and face with soap and water after handling. In case of accidental contact with skin wash affected area immediately with plenty of soap and water.
- In case of accidental contact with eyes, rinse immediately with clean water for at least 15 minutes and obtain medical advice.
- Prevent contamination of rivers, dams and areas not under treatment.
- Clean application equipment thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feeds, eating utensils and drinking water.

DIRECTIONS FOR USE

Use only as directed.

ULTRATHOR™ Water Based Termiticide is recommended for the treatment of soil to control subterranean wood destroying termites in and around buildings and structures.

Mixing instructions

Prior to mixing, shake container thoroughly.

Premix the required quantity of **ULTRATHOR™ Water Based Termiticide** with a small amount of water in a clean bucket.

Fill the spray tank half with water and add the premixed **ULTRATHOR™ Water Based Termiticide**.

Fill the spray tank with water to the required volume.

Agitate the contents of the spray tank during mixing and application.

Do not store prepared mixture. Prepare only.

General use directions

- All the applications indicated must conform to the details set out in SANS 10124 of 2006, *The application of soil insecticides for the protection of buildings*.
- Do not apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the termiticide.
- If more than 15 mm rain falls within 24 hours after application, the application should be repeated unless the treated soil was adequately protected against rain.
- The treated soil, which serves as a barrier between the termites and the structure, should in all cases not be disturbed after treatment. Disturbance of the soil will damage the treated barrier, allowing termite access to the structure through disturbed areas.
- When applied prior to the construction of structures do not apply mixture until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injecting into these structural elements.
- Apply at rates recommended. Do not apply at rates lower than indicated.

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SITUATION	DOSAGE PER 100 L WATER	APPLICATION DIRECTIONS
PRE CONSTRUCTION Preventive treatment		All active termite colonies situated on the site within 50 m of the perimeter of the structure that will be erected (or within the property boundary, whichever distance is the shorter), should be treated (see Treatment of active colonies' below). The treatment of the nests of the colonies will assist in preventing termite attack on structures that will be erected on the site. All cellulose containing material (wood, paper, etc.), a food source for termites, should be removed from the site before treatment. No structures i.e. floor slabs, paving etc. should be erected over termite food sources such as timber scraps left over from construction work.
	300 mL (15 mL / 5 L water)	Treatment of active colonies Apply 5 L mixture to a termite nest as follows: <u>Termite mounds:</u> Remove the top of the mound with e.g. a spade and pour 5 L mixture into the nest. <u>Termite mounds with chimneys' (e.g. <i>Odontotermes</i> spp):</u> Pour 5 L mixture into all the chimneys that can be found. Divide the 5 L mixture evenly between the chimneys. Treatment of foundation and service trenches and foundation walls Treat the bottom and sides of foundation and service trenches at a rate of 5 L mixture per linear metre. Service trenches that accommodate sewers, water pipes and electric cables that enter the building must be treated for their full length inside the building. Treat all inner foundation walls on both sides and the outer foundation walls on the inside at a rate of 5 L mixture per linear metre. Treatment of soil surface under floor slabs After the ground has been filled and compacted but before concrete slab is cast, treat the hardcore and soil at a rate of 5 L mixture per 1 m ² to where the floor will be casted. Ensure good coverage where cables and/or piping enter the structure. <u>Note:</u> Special attention must in all cases be paid to thorough coverage along the inside of the foundation walls, indoor partition walls, around and along plumbing and electrical conduits (where applicable) and inside cavity walls. It is imperative that the mixture shall be applied in such a way that a continuous protective layer of the building's floor plan is achieved. Suspended floors Treat the entire surface area below the floors at a rate of 5 L mixture per 1 m ² . Ensure good coverage where cables and/or piping enter the structure. Pile and boom construction Treat the bottom surface of the pile and boom foundations at a rate of 5 L mixture per 1 m ² after compaction and before the concrete is cast. Unexposed soil surfaces Apply 5 L mixture per 1 m ² to the soil surfaces where paving, entrance steps, verandas, etc. will be connected to the structure.
POST CONSTRUCTION Corrective treatment Conventional treatment		An out- and indoor treatment must be applied as a full corrective treatment post construction. With corrective treatments it is important that the application is carried out in such a way that the termiticide is distributed in a continuous layer in the soil under existing structures. A main reason for the failure of corrective treatments is that the termiticide is not distributed in such a continuous layer and any gaps, where there is no termiticide in the soil barrier, are rapidly exploited by termites to gain access to the structure. This is important under solid floors where it is often difficult to get the termiticide to distribute evenly under the floor in the compacted soil.
	300 mL (15 mL / 5 L water)	Outdoor perimeter treatment <u>Trench application:</u> Dig a 30 cm wide and 45 cm deep trench around the exterior perimeter of the foundations. Do not dig below the foundation. Apply 5 L mixture per linear metre of the trench. Both the sides and bottom of the trench must be adequately covered by the application. Backfill the trench with soil that has been treated with the same mixture. Compact the treated soil used to backfill. Treat lengths of 3 to 6 m foundation at a time in order to prevent weakening of the foundation structure. <u>Drill and inject application:</u> Where concrete aprons, porches, verandahs, paved walkways etc. prevent the use of trenching as described above a perimeter drill and inject application should be carried out. Drill holes 1 m apart around the entire outside perimeter of the structure. Holes must be drilled from the outside through the outer walls to ensure that the mixture is applied under the floor slab. Holes should be drilled to the top of the footing of the foundation. If the design of the structure is such that vertical holes cannot be drilled through the floor along the outside perimeter, then horizontal holes 1 m apart must be drilled from the outside through the foundation wall into the soil underneath the solid floors. Flood the mixture into these holes at 5 L per hole and seal the holes with mortar after the mixture has drained away. Indoor application <u>Suspended wooden floors:</u> Where possible a 30 cm wide trench should be dug around the inside of the foundation walls as deep as the top of the footing and treated with 5 L mixture per linear metre. The trench must be backfilled with treated soil and the latter compacted. This treatment must be done in sections of 3 to 6 m at a time in order not to weaken the foundation. Treat the surface of the crawl space and the enclosing walls at a rate of 5 L mixture per m ² . If there is no access openings should be cut into the floorboards and the treatment carried out as described above. The removed section must be replaced after application and sealed. Where there is no crawl space, holes can be drilled through the floor at regular intervals. The soil surface below the floor must be treated at a rate of 5 L mixture per m ² . Fill all holes with wooden dowels after application. <u>Solid floors:</u> Drill holes through the concrete floors around the inside perimeter of all rooms in the structure, approximately 1 m apart. Flood the mixture into these holes at 5 L per hole and seal the holes with mortar after the mixture has drained away.
Corrective treatment Perimeter drill and inject treatment	300 mL (15 mL / 5 L water)	Drill and inject every one metre around the entire outside perimeter of the house and 1 to 3 times at the site of active infestation within the house. Holes must be drilled from the outside through the outer walls to ensure that the mixture is applied under the floor slab. Flood the mixture into these holes at 5 L per hole and seal the holes with mortar after the mixture has drained away.
Road and runway construction	300 mL (15 mL / 5 L water)	Treatment must be done below the second last compaction fill at 5 litre mixture per m ² . The treatment must be extended across the entire width of the road, including the road shoulders.

NOTICE

Ensysstex South Africa (Ensysstex) warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by Ensysstex, or under abnormal conditions.

Continued over ...

SITUASIE	DOSIS PER 100 L WATER	TOEDOENINGSAANWYSINGS
VOOR-KONSTRUKSIE Voorkomende behandeling		Alle aktiewe termietkolonies op die perseel binne 50 m van die omtrek van die struktuur wat opgerig gaan word (of binne die eiendomsgrense, watter afstand die kortste is), moet behandel word (verwys Behandeling van aktiewe kolonies' hieronder). Die behandeling van die kolonieneste sal help om termietskade aan die strukture wat opgerig gaan word, te voorkom. Alle sellulose bevattende materiaal (hout, papier ens.), 'n voedselbron van termiete, moet voor behandeling van die perseel verwyder word. Geen strukture soos betonvloere, plaveisels ens. moet nie oor termietvoedselbronne soos houtsaagsels wat van konstruksiewerk oorbly, opgerig word nie.
	300 mL (15 mL / 5 L water)	<p>Behandeling van aktiewe kolonies Dien 5 L mengsel aan termietneste soos volg toe: <u>Termiethope</u>: Verwyder die bokant van die hoop met bv. 'n graaf en gooi 5 L mengsel in die nes in. <u>Termiethope met 'skoorstene' (bv. <i>Odontotermes</i> spp)</u>: Gooi 5 L mengsel in al die skoorstene wat gevind kan word. Verdeel die 5 L mengsel eweredig tussen die skoorstene.</p> <p>Behandeling van fondasie- en diensvore en fondasiemure Behandel die bodem en sykante van fondasie- en diensvore teen 'n dosis van 5 L mengsel per liniêre metre. Diensvore wat riool- en waterpype en elektriese kables wat gebou binnegaan huisves, moet vir hul volle lengte binne die gebou behandel word. Behandel alle fondasiesiemure aan binnekant van struktuur aan beide kante en die buite fondasiemure aan die binnekant teen 'n dosis van 5 L mengsel per liniêre metre.</p> <p>Behandeling van grondoppervlak onder betonvloere Nadat die grond opgevuul en gekompakteer is maar voor die betonvloer gegiet word, behandel die harde kern en grond teen 'n dosis van 5 L mengsel per 1 m² vir sover die betonvloer gegiet gaan word. Dra sorg dat bedekking goed is waar kables en/of pype die struktuur binnekom. <u>Let wel</u>: Spesiale aandag moet in alle gevalle aan deeglike bedekking langs die binnekant van fondasiesiemure, binnenshuise afskortingsmure, om en langs water- en afvoerpipe en elektriese leipype (waar van toepassing) en binne-in hol mure. Dit is uiters belangrik dat die mengsel op so 'n wyse toegedien word dat dit 'n aaneenlopende beskermende laag oor die hele vloerplan van die gebou vorm.</p> <p>Hangvloere Behandel die hele oppervlakte onder die vloere teen 5 L mengsel per 1 m². Dra sorg dat bedekking goed is waar kables en/of pype die struktuur binnekom.</p> <p>Heipaal- en grondbalkkonstruksie Behandel die onderste oppervlak van die heipaal- en grondbalkfondasie teen 'n dosis van 5 L mengsel per 1 m² na kompaktering en voor die beton gegiet word.</p> <p>Bedekte grondoppervlakke Dien 5 L mengsel per 1 m² toe op die grondoppervlakke waar plaveisel, ingangstrappe, veranda's ens. aan die struktuur verbind sal word.</p>
NA-KONSTRUKSIE Korrektiewe behandeling Konvensionele behandeling		'n Binnens- en buitenshuise toedoening moet toegedien word as 'n volle korrektiewe behandeling na konstruksie. Met korrektiewe behandelings is dit belangrik dat die toediening so uitgevoer word dat die termietdoder in 'n aaneenlopende laag in die grond onder die bestaande struktuur versprei word. 'n Hoof rede vir die mislukking van korrektiewe behandelings is dat die termietdoder nie in so 'n aaneenlopende laag versprei is nie en enige gapings, dele waar daar nie termietdoder in die grondkeerlaag is nie, word gou deur termiete gebruik om toegang tot die struktuur te vind. Hierdie is belangrik onder soliede vloere waar dit dikwels moeilik is om die termietdoder egalig onder die vloer in die gekompakteerde grond te versprei.
	300 mL (15 mL / 5 L water)	<p>Buitenshuise omtrekbehandeling <u>Voorbehandeling</u>: Grawe 'n 30 cm wye en 45 cm diep voor om die buite-omtrek van die fondasies. Moet nie tot onder die fondasie grawe nie. Dien 5 L mengsel per liniêre metre van die sloot toe. Beide die kante en bodem van die voor moet voldoende bedek word met die toediening. Vul die voor met grond wat met dieselfde mengsel behandel is. Kompakteer die behandelde grond wat vir die vul van die voor gebruik is. Behandel fondasie-lengtes van 3 tot 6 metre per keer om verswakking van die fondasiestruk-tuur te voorkom. <u>Boor- en inspuitbehandeling</u>: Waar die betonblaai, stoepe, veranda's, geplaveide paadjies ens. die gebruik van sloot behandeling, soos hierbo beskryf, nie moontlik maak nie, moet 'n omtrek boor- en spuitbehandeling uitgevoer word. Boor gate 1 m uitmekaar om die hele omtrek van die struktuur. Gate moet van buite deur die buitemure geboor word om te verseker dat die mengsel onder die vloeroppervlak toegedien kan word. Gate moet tot op die bokant van die voetstuk van die fondasie geboor word. Indien die konstruksie van die struktuur sodanig is dat vertikale gate nie deur die vloer langs die buite-omtrek geboor kan word nie, moet gate 1 metre uitmekaar van die buitekant deur die fondasie muur in die grond onder die soliede vloer ingeboor word. Dien die mengsel teen 5 L per gat toe en verseël die gate met dagha nadat die mengsel weggedreineer het.</p> <p>Binnenshuise toediening <u>Hangvloere</u>: Waar moontlik grawe 'n 30 cm wye voor om die binnekant van die fondasiemure tot so diep as die bokant van die voet van die fondasie en die 5 L mengsel per liniêre metre toe. Vul die voor met grond wat met dieselfde mengsel behandel is. Kompakteer die behandelde grond wat vir die vul van die voor gebruik is. Behandel fondasie-lengtes van 3 tot 6 metre per keer om verswakking van die fondasiestruktuur te voorkom. Behandel die oppervlak van die kruipruimte en die omringenede mure teen 'n dosis van 5 L mengsel per m². Indien daar nie toegang is nie, moet openinge in die vloerborde gesny word en die behandeling gedoen word soos hierbo aangedui. Die verwyderde deel moet vervang en verseël word na behandeling. Waar daar nie 'n kruipruimte is nie, kan gate met gereelde afstande deur die vloer geboor word. Die grondoppervlak onder die vloer moet behandel word teen 'n dosis van 5 L mengsel per m². Die gate moet met houttappe na behandeling gevul word. <u>Betonvloere</u>: Boor gate deur die betonvloer aan die binne-omtrek van al die kamers in die gebou, ongeveer 1 metre uitmekaar. Giet 5 L van die mengsel in elke gat in en verseël die gate met dagha nadat die mengsel weggedreineer het.</p>
Corrective treatment Perimeter drill and inject treatment	300 mL (15 mL / 5 L water)	Boor en spuit in elke 1 metre om die hele omtrek van die huis en 1- tot 3-keer by die plek van aktiewe infestasië in die huis. Gate moet van die buitekant deur die buitenste muur geboor word om te verseker dat die mengsel onder die betonvloer toegedien word. Giet 5 L van die mengsel in elke gat in en verseël die gate met dagha nadat die mengsel weggedreineer het.
Road and runway construction	300 mL (15 mL / 5 L water)	Behandeling moet onder die tweede laaste kompaksie-opvullingslaag teen 5 litre mengsel per m ² toegedien word oor die breedte van die pad en skouers.

LET WEL

Ensystem South Africa (Ensystem) waarborg dat hierdie produk aan die chemiese beskrywing voldoen en redelikerwys geskik is vir die doel soos op die etiket aangedui wanneer volgens die Gebruiksaanwysings gebruik word onder normale toestande van gebruik. Geen waarborg van verhandeling of geskiktheid vir 'n spesifieke doel, te kenne gegee of geïmpliseer, strek tot die gebruik van die produk strydig met die etiketinstruksies of van gebruikte nie op etiket aangedui nie en nie deur Ensystem goedgekeur nie of onder abnormale toestande nie.

WAARSKUWINGS

- Hanteer versigtig.
- Skadelik indieningesluk, ingesem of deur vel geabsorbeer word.
- 'n Oog- en velirritant.
- Giftig vir bye en vis en skadelik vir ander diere.
- Berg in toegemaakte oorspronklike houers in 'n droë, koel goed geventileerde plek, weg van direkte sonlig en weg van voedsel en voer.
- Hou buite die bereik van kinders, ongeligte persone en diere.

VOORSORGMATREËLS

- Voorkom aanraking met oë en vel en inaseming van dampe en spuitnewel.
- Dra beskermende klere (beskermende handskoene en stewels en gesigskerm) wanneer spuitmengsel voorberei word en tydens toediening.
- Moet nie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en ander klere aangetrek is nie.
- Was besoedelde klere daagliks.
- Was hande en gesig met seep en water na hantering. In geval van toevallige aanraking met vel was besoedelde area met volop seep en water.
- In geval van toevallige aanraking met oë, spoel onmiddellik uit met skoon water vir minstens 15 minute en kry mediese behandeling.
- Voorkom besoedeling van riviere, damme en areas nie onder behandeling nie.
- Maak toedieningstoerusting deeglik skoon na gebruik en raak van waswater ontslae waar die nie gewasse, weiding, riviere of damme sal besoedel nie.
- Spoel leë houers driekeer as volg uit: Keer leë houers om oor die meng- of spuittenk en dreineer vir minstens 30 sekondes nadat vloei tot 'n drup verminder het. Spoel die houers daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die van die houers. Gooi die spoelwater by die inhoud van die spuittenk voordat die houers op die voorgeskrewe wyse vernietig word.
- Vernietig leë houers deur gate daarin te maak en plat te slaan en moet nie vir geen ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, eetgerei en drinkwater.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui

ULTRATHOR™ 100 Water Based Termiticide word aanbeveel vir die behandeling van grond om ondergrondse houtvretende termiete te beheer om en in geboue en strukture

Menginstruksies

Skud die houers deeglik voor menging. Meng die verlangde hoeveelheid ULTRATHOR™ 100 Water Based Termiticide met 'n klein hoeveelheid water in 'n skoon emmer. Vul die spuittenk half met water en voeg die voorafgemengde **ULTRATHOR™ 100 Water Based Termiticide** by. Vul die spuittenk dan met water tot die verlangde volume. Roer die inhoud van die spuittenk tydens menging en toediening. Moet nie voorgereide mengsel bêre nie.

Algemene gebruiksaanwysings

- Al die toedienings aangedui moet voldoen aan besonderhede soos aangedui in SANS 10124 of 2006, *The application of soil insecticides for the protection of buildings*.
- Moet nie op gronde wat baie nat is toedien nie of dadelik na swaar reën om afloop van termietdoder te voorkom.
- Indien meer as 15 mm reën binne 24 uur na toediening val, moet die toediening herhaal word behalwe waar die behandelde grond voldoende teen reën beskerm is.
- Die behandelde grond, wat as 'n versperring tussen die termiete en die struktuur dien, moet in alle gevalle nie na behandeling versteur word nie. Versteuring sal die behandelde versperring beskadig wat aan die termiete toegang tot die struktuur deur die versteurde areas sal gee.
- Wanneer die mengsel voor die konstruksie van strukture toegedien word, moet dit nie toedien voor die posisie van hitte-, ventilasie-, water- en rioolpype en elektriese geleibuisse bekend en geïdentifiseer is nie. Tref voorsorg om nie hierdie dele van die struktuur te beskadig of in dit in te spuit nie.
- Dien toe teen die dosisse aangedui. Moet nie teen dosisse laer as aangedui, toedien nie.

™ Handelsmerk van Ensystem, Inc.
en gelisensieer vir gebruik deur Ensystem South Africa