

ENSYSTEX[®]
THE INNOVATORS

World Class Innovation & Product Discovery



Product Guide
2024/2025

Who We Are



Ensystem is a global, research-based company focused on providing environmentally responsible, effective, urban pest management solutions and has achieved a high international reputation for these products.

Our commitment to the pest management industry is displayed through the team of dedicated professionals employed in South Africa. We are here to assist you should problems ever arise. Ensystem has specialists in South Africa, and you also have the support of our Australian laboratory complex for soil testing, chemical analysis, etc.

Ensystem develops and owns all its own formulations, performs QA and batch analysis checks on all batches of chemicals and guarantees the consistent quality of all materials sold. Ensystem is a true specialist in professional pest management for the urban and public health environment.

You Call - We Jump!

We're all aware that working in today's tough, demanding, fast forward environment, when a problem comes up, it can make life very difficult. That's why Ensystem has a strong "help" line, dedicated to our valued clients.

If you have any technical questions or require technical support all you have to do is call **080 367 9783** and follow any prompts. We then guarantee that one of our technical support specialists will call you back within 2 hours of your call being placed to assist with the matter.

This support is available 24 hours a day, 365 days a year!



Your On Time Delivery Guarantee...



Ensystem makes this commitment to you:

Ensystem delivers your products, door to door, using leading courier services to optimise prompt receipt of goods. If we receive your order before 14h00, it will be dispatched on the same day for next-day delivery.

Your Ensystex Guarantees



- ✓ **MONEY-BACK GUARANTEE :** If any Ensystex product fails to meet or exceed your expectations, return the unused portion in the container, at our expense, and we will issue you with a full refund.
- ✓ **SOLUTION GUARANTEE :** If you have a challenging situation, Ensystex guarantees to assist you with the matter and, where required, send one of our trained technical support specialists to visit the site with you.
- ✓ **PREMIUM PRODUCT GUARANTEE :** Ensystex always uses the highest quality materials to ensure optimal efficacy and safety. SDS to international standards are available for all Ensystex products. We can also provide Certificates for compliance to HACCP.



Ensystex Formulations



Ensystex is a world leader in bait technologies and the development of aqueous (water-based) suspension concentrates. Ensystex guarantees all formulations are the best-of-the-best.



Order all your product needs online.
www.Ensystex.co.za



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Insecticides



AEROTHOR™

Extra Strength Crawling Insect Spray

Extra strength, super fast kill aerosol spray.

Key Features

- **Superfast knockdown of cockroaches;** Quite Simply, nothing is faster than AEROTHOR in terms of speed of performance for flushing and killing cockroaches. In fact AEROTHOR will knockdown cockroaches in just a few seconds!
- **Extra Strength;** To give you the performance you expect as a professional pest manager.
- **Two Way Nozzle;** This specialised aerosol stainless steel extension nozzle allows you to spray a powerful blast covering a larger area; or alternatively, flip the targeted stainless steel straw application nozzle into place for accurate treatment into cracks and crevices.
- **Labelled for the control of ALL Crawling Insects;** So you can use it against all common pest species.
- **Two Pyrethroid Actives;** AEROTHOR contains two actives. Imiprothrin provides super-fast knockdown and kill of crawling pests while the cypermethrin provides long-lasting residual performance.
- **Will not harm plants;** Safe to use around plants or garden areas.
- **Low toxic;** So you can use AEROTHOR in schools, kitchens, hospitals, domestic residences, offices, etc.
- **Low odour;** Newly formulated to make it more pleasant in use.

Directions for Use

Shake can well before using. Keep can as upright as possible and hold about 15-20 cm from the surface. Avoid using on plastic surfaces. Treating surface with AEROTHOR Extra Strength Crawling Insect Spray will kill and protect against a large range of crawling insects. For direct kill, spray in the direction of the crawling insect.



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Product Details

Active Ingredients:	2 g/kg cypermethrin, 1.4 g/kg imiprothrin
Insecticide Group:	Pyrethroid
Formulation Type:	Aerosol
Pests Controlled:	Crawling insects
Pack Size / Code:	350 g can (CHEAX1016)
Resistance Group:	3A

Reg. No. L10727 - Act No. 36 of 1947
UN No. 195.21

ATTRATHOR™

Targeted Insecticide

A world first LIQUID BAIT with advanced micro-encapsulated attractant combined with micro-encapsulated FIPRONIL, the active you know and trust.

Key Features

- ◆ **Quick-release Insect Attractant Micro-capsules™;** Tiny, 2 µm, solid-core capsules which contain the cockroach food attractant are in a matrix within a polymer shell. These tiny Micro-capsules have a large surface area relative to their volume, which allows for the quick-release of the attractant. The attractant diffuses out through the polymer shell, quickly luring the cockroaches to the ATTRATHOR Target Zone™.
- ◆ **Controlled-release Active Micro-capsules™;** Larger, 35 – 55 µm, liquid-core capsules contain the active fipronil. These capsules have a finer polymer shell and, trapped within the liquid fipronil core, are tiny bubbles of CO². These pressurise the capsules, ensuring that when the insect makes contact with them, the capsules burst open, releasing the deadly fipronil within. These Micro-capsules control the release of the fipronil to ensure maximum residual performance. The larger size also ensures improved performance on porous surfaces.
- ◆ **Quick Elimination;** Within 48 hours there will be a significant reduction in pest numbers.
- ◆ **Attractive Betrayal;** Insects are lured to the ATTRATHOR Target Zone™ by the Quick-release Insect Attractant Micro-capsules™ where they unknowingly pick up the deadly Controlled-release Active Micro-capsules.
- ◆ **Easy Application;** Through traditional spray equipment targeted into cockroach harbourages. ATTRATHOR can partner, or replace gel bait technology.
- ◆ **Kills More Cockroaches;** Cockroaches passing over the film pick-up the Active Micro-capsules, loaded with fipronil. When they later socialise, they unknowingly pass the toxicant on. This creates the Viral Transfer Effect™ leading to the kill of more cockroaches.

Performance

ATTRATHOR is unique since it provides both active and passive control of cockroaches.

ACTIVE CONTROL is achieved when the Quick-release Insect Attractant Micro-capsules™ lure the cockroaches to the ATTRATHOR Target Zone™ where they break the Controlled-release Active Micro-capsules™ containing the deadly fipronil. Due to fipronil's non-repellent chemistry, with its presence



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further concealed by the polymer coating of the Micro-capsules, the cockroaches remain totally unaware of the presence of the fipronil.

Death occurs through either Contact Action - as the fipronil passes into the cockroach through the cuticle; Stomach Action - as the cockroach grooms itself and breaks or removes the Active Micro-capsules laced with fipronil; or through the Viral Transfer Effect™ - where the cockroaches pass the Active Micro-capsules onto other cockroaches.

PASSIVE CONTROL is achieved through the effects of the liquid film forming a residual defence zone. ATTRATHOR is applied as a targeted surface spray into cockroach harbourages and areas where cockroaches frequent. Here it works like any other residual surface spray, except there is a very big benefit because ATTRATHOR is powered by fipronil's non-repellent insecticidal chemistry, that protects the fipronil, slowly releasing it over time; providing up to three months of passive control.

Product Details

Active Ingredients:	26 g/L fipronil
Insecticide Group:	Phenylpyrazole
Formulation Type:	ATTRACT & KILL - Liquid bait
Pests Controlled:	Cockroaches
Pack Size / Code:	250 mL (CHEAT1017)
Resistance Group:	2B

Reg. No. L10020 - Act no. 36 of 1947

ZENITHOR™

Gel Cockroach Bait

A LEGEND EMERGES... ZENITHOR was developed with the view of creating a legendary cockroach gel bait, a gel bait that outperforms all others.

Key Features

- ◆ **Ensures Faster Kill;** In trials with the German cockroach (*Blattella germanica* Linneaus), ZENITHOR killed more than 80% of the cockroaches within 24 hours and 100% mortality occurred after 72 hours. It well out-performed even the leading fipronil based cockroach gel bait.
- ◆ **Enhanced Palatability;** To ensure optimal feeding, ZENITHOR's fine dining recipe provides a complete nutrient source including novel ingredients to ensure it is eaten in preference to competing foods in the environment.
- ◆ **Synergised High-Consumption Bait Technology™;** Provides a unique and novel range of natural sensory attractants to draw the cockroaches to the bait spots, together with some carefully selected feeding stimulants to promote increased consumption of gel baits, leading to improved performance.
- ◆ **Viral Excretion Transfer™;** ZENITHOR intoxicated cockroaches contaminate their harbourages and the surrounding environment with ZENITHOR-enriched vomitus and faeces to create the most potent Transfer Effect. Viral Excretion Transfer is critical for passing the toxicant on to early instar nymphs, that do not venture far for their food resources.
- ◆ **ZENITHOR Enzyme Bio-activation™;** Following consumption, ZENITHOR is metabolised into a deadly insect neurotoxin, causing gradual death. This requirement for the conversion of the active provides a safety factor since it is effectively 'activated' by the insect.
- ◆ **Eliminates bait adverse cockroaches;** It is well documented that populations of the German cockroach have rapidly evolved an adaptive behavioural aversion to glucose, a component of most commercial baits. ZENITHOR does not use glucose in the formulation, so it can effectively tackle the toughest cockroach jobs.



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Product Details

Active Ingredients:	6.0 g/kg (S)-indoxacarb
Insecticide Group:	Oxadiazine
Formulation Type:	Gel bait - ready-to-use
Pests Controlled:	Cockroaches
Pack Size / Code:	4 x 30 g (CHEZA1011)
Resistance Group:	22A

Reg. No. L10693 - Act no. 36 of 1947

Performance

ZENITHOR's outstanding performance arises from our most complex cockroach gel formulation to date. Employing the most sophisticated gel chemistry, ZENITHOR provides improved physical performance; giving you the functional features you demand in terms of ease of application, with the gel spots staying put, whilst still retaining their high moisture content to provide improved flavour for cockroaches - and longer-lasting results.

But there is even more to this legend, ZENITHOR introduces more than ten feeding stimulants and sensory attractants to maximise cockroach feeding, deliver faster kill and ensure total elimination of all cockroach aggregates.

ZENITHOR Gel Cockroach Bait has been formulated to provide a stable gel, even in hot kitchens and tropical environments, whilst retaining a moist, viscous presentation at all times to ensure superior consumption by cockroaches for an extended time frame.

BLATTATHOR® ULTRA

Cockroach Gel Bait

A gel bait formulated with FIPRONIL,
the active you know and trust!

Key Features

- ◆ **Highly palatable mix of attractants, nutrients and feeding stimulants;** A clear winner with its SUPERSONIC speed of kill and elimination of pest cockroaches, even nymphs - which means greater customer satisfaction and fewer call-backs!
- ◆ **Supersonic knockdown;** The Viral Feed Through Effect™ ensures supersonic control of cockroaches, and with its high moisture retention, it keeps on killing.
- ◆ **Highly palatable;** It is unique blend of several highly palatable cockroach foods and proprietary feeding attractants combine to ensure that cockroaches readily feed, giving you great results.
- ◆ **Professional strength;** Fuelled by fipronil at 0.5 g/kg BLATTATHOR ULTRA ensures cockroaches start to vanish quickly, meaning greater customer satisfaction and fewer call-backs.



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Product Details

Active Ingredients:	Professional strength 0.5 g/kg fipronil
Insecticide Group:	Fipronil is a broad spectrum phenylpyrazole insecticide
Formulation Type:	Translucent cockroach gel
Pests Controlled:	Cockroaches
Pack Size / Code:	4 x 30 g tubes (CHEBG2017)
Resistance Group:	2B

Reg. No. L9297 - Act No. 36 of 1947

ACCUTHOR GEL GUN

High Performance, Adjustable, Stainless Steel Gel Gun

The uniquely designed ACCUTHOR Gel Gun sucks the gel out of your gel tubes, ensuring a more accurate distribution and NO dripping.

Key Features: The ACCUTHOR Gel Gun is fully adjustable so you can control the amount of product dispensed, and it comes complete with a range of different tip sizes to give you total control over droplet sizes. It is a rugged design, constructed from stainless steel to give you many years of accurate use when used with 30 g or 35 g classic professional gel tubes, 5 positions for accurate dosage are available to give you just the right amount of gel for the treatment, ensuring the most precise and cost-effective placement. **Product Code: (EQPA1000)**



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CULITHOR™

Granular Mosquito Growth Regulator

Regulate mosquito emergence for long-term mosquito management.

Key Features

CULITHOR Granular Mosquito Growth Regulator uniquely uses our Intelligent Granular Microencapsulation Technology™ to provide controlled, long-term prevention of adult mosquito emergence. CULITHOR is an innovative approach to mosquito larval management programs providing effective control of both surface feeding and bottom feeding larvae. Intelligent Granular Microencapsulation Technology™ is a cutting edge process. A grain of sand is coated with carbon and gypsum containing our unique Controlled Release Active Micro-capsules™ (CRAM-capsules). The CRAM-capsules are 5.5 µm diameter, liquid core capsules with a natural chitosan shell. These contain the active ingredient, (S)-methoprene, which stops the growth of mosquito larvae to prevent adult mosquito emergence.

Performance

CULITHOR can be used in freshwater swamps and marshes, salt and freshwater lagoons, salt marshes, mangrove swamps, estuarine areas, woodland pools, or any natural water-holding features; in both open water situations or where water is obscured by vegetation. In fact anywhere where mosquito breeding is a current or potential problem.

◆ METHOD 1: Added to flood prone areas

CULITHOR can be applied prior to flooding by rain or tides. It will not be triggered into action until the water floods over it. Since the CRAM-capsules are protected by UV-filters, the CULITHOR will remain viable for up to three months, even in strong sunlight.

◆ METHOD 2: Directly to water bodies

CULITHOR can be added directly to the water where the mosquitoes are breeding for quick and effective control.



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Product Details

Active Ingredients:	12 g/kg-METHOPRENE
Insecticide Group:	Mosquitoes and Larvae
Formulation Type:	Granular mosquito growth regulator
Pests Controlled:	<i>Aedes, Anopheles, Culex, and Ochleratus spp</i>
Pack Size / Code:	1 kg (CHECL1006)
Resistance Group:	Group 7A Insecticide

Reg. no. L10919 - Act 36 of 1947

FUMITHOR™ DELTA

Insecticide Smoke Generator

A revolutionary new way of eliminating a wide range of flying and crawling insect pests, even in previously inaccessible places.

Key Features

- FUMITHOR DELTA uses smoke to reach inaccessible areas, penetrating deep into the tiniest cracks and crevices where the pests hide.
- With particle sizes down to just 1 micron the smoke can penetrate into places that are simply not reached by thermal fogs or ULV sprays.
- The active constituent, deltamethrin, is deposited on vertical, horizontal and underside of horizontal surfaces ensuring the most thorough treatment possible.
- There is nowhere for pests to hide from FUMITHOR DELTA!

POWERED BY DELTAMETHRIN:

FUMITHOR DELTA is the only insecticide smoke generator to use deltamethrin, a broad spectrum pyrethroid, as the active constituent:

- FUMITHOR DELTA is proven in independent trials to be up to 10 times more potent than other smoke generators.
- Less insecticide per m³ means it's more economical while reducing operator exposure to poison.
- Deltamethrin has been proven to have a good toxicological and environmental profile

Performance

The FUMITHOR DELTA generator is ignited to fill the air with advanced smoke technology.

MINIMAL IMPACT ON THE ENVIRONMENT: Smoke vapour is the optimal method of transmission when targeting large areas due to the minimal quantities of pesticide required - protecting your property and the environment.



Product Details

Active Ingredients:	20 g/kg deltamethrin
Insecticide Group :	Pyrethroid
Formulation Type:	Ready to use smoke generator
Registered to kill:	Ants, cockroaches, fleas, flies, mosquitoes, hide beetles, silverfish, bed bugs, stored product insects, carpet beetles, clothes moths.
Pack Size / Code:	FUMITHOR™ DELTA 40 g x 6 Generators (CHEFD1016) 1 FUMITHOR™ DELTA 1 x 1 kg Generators (CHEFD1023)
Resistance Group :	3A

Reg. No. L11061 - Act No. 36 of 1947

Where to Use

Ideal for enclosed areas: such as storage sheds, warehouses, shipping containers, commercial buildings, industrial facilities and public spaces. Protects agricultural areas: including grain silos, glasshouses, animal housing and agricultural buildings.

Rapid clean-out of insect pests: in commercial and domestic situations that need protecting quickly and effectively.

MAXXTHOR®

Termiticide & Insecticide

High performance termiticide and insecticide for indoors & outdoors. Superior soil penetration, powerful performance, odourless, professional strength, water-based and long-term residual.

Key Features

- **A unique professional strength, water-based formulation containing 100 g/L bifenthrin that is priced to perform;** This gives you premium quality at a price you can truly afford.
- **MAXXTHOR is labelled for the long-term control of a wide range of pests including urban insect pests, vectors, spiders, ticks and termites;** So when you carry MAXXTHOR with you it is a total solution for all your pest control needs.
- **MAXXTHOR Mosquito Protection Zone;** A Special program providing your clients with up to eight weeks of freedom from mosquitoes and other biting insects.
- **Odourless;** No need to worry about smells. Since this is a water-based product it is gentle on the nose.
- **Water-based;** No staining, no corrosion of your equipment.
- **Tested through reticulation systems;** We have proved its performance in a wide range of soils. So you can be sure it offers the best quality termite barrier possible.
- **Withstands degradation by sunlight, rain and heat;** So you have fewer call backs.
- **Non-sensitising;** This means you are less likely to experience the skin tingling associated with most pyrethroids.
- **Safe to plants and rapidly metabolised by plants and animals;** In fact MAXXTHOR is designed for direct application to foliage. And the active ingredient is in widespread use on a wide range of food crops.
- **Approved for use indoors and outdoors, in the most sensitive areas;** So you can take it anywhere with you.
- **No hydrocarbon solvents;** So you have no worries about staining, odours, or equipment corrosion.
- **Approved for both pre-construction and post-construction termite management;** A total termite



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solution.

- **Long term residual;** There is no product on the market with a longer label claim for termite management. MAXXTHOR claims protection for ten years or more.
- **Contains Ensystex's unique Microbial Protection Blend™;** To ensure the product remains fresh out in the field and in the back of your truck.

Product Details

Active Ingredients:	100 g/L bifenthrin
Insecticide Group:	Pyrethroid
Formulation Type:	Micro-fine suspension concentrate (water-based)
Pests Controlled:	Controls a wide range of pests as per the product label
Pack Size / Code:	5 L (CHEMX1006.001) 1 L (CHEMX1005)
Resistance Group:	3A

Reg. No. L8793 - Act No. 36 of 1947

Performance

MAXXTHOR also comes with the Ensystex Ten Year Performance Guarantee.*

HYMENOPTHOR[®] ULTRA

Granular Ant & Cockroach Bait

Targeted to kill all species of ants and cockroaches, including nymphal stages.



Key Features

- ◆ **Eliminates;** All species of ants and cockroaches, including large and small cockroach species.
- ◆ **Liquid Oil Phase Release™;** Technology ensures uptake of the fipronil, and produces results equal to, or better than, those of gel baits for cockroaches - including nymphal stages.
- ◆ **Viral Feed Through Effect™;** Of fipronil further ensures its rapid spread throughout ant colonies. Since fipronil is a quick acting insecticide, it is important to use it at a low rate to ensure it is spread throughout the entire colony.
- ◆ **Advanced Bait Technology™;** Provides a unique composite of proteins, sugars and oils to target sugar feeding species, oil feeding species and protein feeding species.
- ◆ **Ultra Strong;** Performance is particularly spectacular when targeting cockroach nymphal stages, the most difficult life-stage to control.

Product Details

Active Ingredients:	0.1 g/kg fipronil
Insecticide Group:	Phenylpyrazole
Formulation Type:	Granular bait - ready-to-use
Pests Controlled:	Ants and cockroaches, all species
Pack Size / Code:	450 g (CHEHU1000)
Resistance Group:	2B

Reg. No. L9298 - Act No. 36 of 1947

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Performance

As a granular bait, efficacy is enhanced by the ant's feeding behaviour. Worker ants are generally liquid feeders and cannot ingest solid baits. So they use their legs and mouthparts to physically carry the solid bait granules back to the nest for the larvae to digest and feed to the colony.

Therefore the bait is not diluted when it reaches the nest. In contrast, with liquid or gel baits, the ants ingest the bait and then pass it through to nest mates by trophallaxis, which means there is some dilution of the toxicant as it is passed from one ant to the next. More importantly though, with the Liquid Oil Phase Release™ technology, the workers are also able to feed directly on the HYMENOPTHOR ULTRA and receive a toxic dose of the active, as well as feeding on the pre-digested liquid from the larvae.

Cockroaches have an exceptionally high preference for solid based foods, with bread ranking higher than most cockroach gels as a preferred food. HYMENOPTHOR ULTRA optimally satisfies cockroaches preference for a cereal based diet leading to aggressive feeding and a speed of kill better than that achieved with gel baits. The Liquid Oil Phase Release ensures the fipronil is readily digested by the cockroaches.

MAXXTHOR® TURBO

Targeted Insecticide

Turbo charge your clients into the future, today. **STOP** Callbacks, increase client satisfaction through Superfast knockdown, Long term residual performance, Resistance Fighter.

Key Features

- **Revolutionary;** New suspo-emulsion formulation combines three active ingredients together to work better than anything you have experienced before.
- **Turbo Kill;** The turbo charged oil phase enters rapidly through the insect's spiracles; allowing the oil phase insecticides to instantly halt the insect nervous system.
- **Long Term;** The micro-particles of bifenthrin are evenly spread by the TURBO organic phase ensuring long-term protection.
- **Resistance Fighter;** Piperonyl butoxide works to inhibit the enzymes that breakdown and detoxify pyrethroids, thus restoring their effectiveness against resistant or tolerant insects. Moreover it has also been proven to delay resistance development. Piperonyl butoxide is a specific inhibitor of microsomal oxidases, and has also been shown to inhibit resistance-associated esterases. Both these modes of action serve to enhance and potentiate the power of MAXXTHOR TURBO to ensure you get the best results.

Performance

A real problem with pyrethroid insecticides is the way they can scatter the insects, especially cockroaches. This in turn can lead to a spread of the problem. MAXXTHOR TURBO provides a total solution through the super fast action of imiprothrin, and its exceptional activity against cockroaches.

This speed of action arises as a consequence of imiprothrin acting much faster at the target site, the insect nervous system, than any other pyrethroid. When imiprothrin is applied directly to the cockroach nervous system, there is a rapid decline in spontaneous firing, followed by the rapid and complete disappearance of any charge.



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Product Details

Active Ingredients:	100 g/L bifenthrin, 10 g/L imiprothrin, 120 g/L piperonyl butoxide
Insecticide Group:	Synergised pyrethroid
Formulation Type:	Suspo-emulsion
Pests Controlled:	Controls a wide range of pests as per the product label
Pack Size / Code:	1 L (CHEMT1007)
Resistance Group:	3A

Reg. No. L10023 - Act No. 36 of 1947

PROTHOR™

200 SC Termiticide

The protector providing a professional standard for protecting buildings against termites and ants.

Key Features

- ◆ **Innovative Formulation;** Ensysstex have taken the formulation of imidacloprid as a termiticide to the next level. With a micro-fine suspension concentrate ensuring particle sizes of less than 5 microns for better soil penetration and viral transfer. PROTHOR is also blended to protect it better from degradation in your vehicles.
- ◆ **PROTHOR is undetectable;** Some soil treatment termite control products do not kill termites or ants, instead they repel them. These products are effective when applied in a perfect and continuous gap-free termite and ant barrier, but if there are any gaps in the barrier through which termites and ants can enter, its 'hello termites and ants.'
- ◆ **Minimal impact on the environment and you;** Studies have shown that during applications of PROTHOR, airborne residues of PROTHOR in the structure are minimal. This means it is safe to remain at home while PROTHOR is being applied under and around your home. This is unlike some other termiticides which require you to vacate your home while they are being applied.
- ◆ **PROTHOR is easy on the nose;** In fact PROTHOR is almost odourless since it is a water-based product.
- ◆ **Non-sensitising;** This means no unpleasant sensations as often caused by other termiticides and insecticides.
- ◆ **Safe to plants and rapidly metabolised;** Indeed the active in PROTHOR is widely used on agricultural food crops, in orchards, nurseries and in products applied directly to pets.
- ◆ **Approved for post-construction and pre-construction treatments;** For pre-construction PROTHOR should be applied through a reticulation system.
- ◆ **Employs Ensysstex's unique Microbial Protection Blend™;** To ensure the product remains fresh out in the field and in the back of your truck.

Performance

When applied to soil at recommended rates, PROTHOR is undetectable by termites and ants as they tunnel through it. Since termites can't detect PROTHOR treated soil, they can't avoid it and are killed by their contact with it. We call this the PROTHOR Termite and Ant Defence Zone™.



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When termites and ants unknowingly tunnel through PROTHOR treated soil, they accumulate PROTHOR on the outside of their bodies. PROTHOR does not immediately kill termites or ants exposed to it. The delayed toxicity of PROTHOR allows contaminated termites to interact with non-exposed termite nestmates. This interaction can take place over three days. This ensures greater transfer and kills more termites and ants than similar products. Non-affected termites or ants that clean and groom other termites or ants recently exposed to PROTHOR are themselves secondarily exposed and killed. This transmission of PROTHOR from termite to termite or ant to ant which cannot be detected or avoided by termites is referred to as the PROTHOR Viral Effect™.

The active ingredient in PROTHOR has some very special and unique soil binding properties. Chemists call these properties Hysteretic Binding. This unique chemistry means that PROTHOR is relatively slow to bind to soil particles, but once it does bind, it grips very tightly to ensure the PROTHOR Termite and Ant Defence Zone remains in place for a long time to keep on killing termites and ants. This hysteretic binding effect is important because it ensures that the PROTHOR Defence Shield™ created around your clients home is as complete and continuous as possible.

Product Details

Active Ingredients:	200 g/L imidacloprid
Insecticide Group:	Neonicotinoid
Formulation Type:	Water-based, micro-fine suspension concentrate
Pests Controlled:	Termites and Ants
Pack Size / Code:	1 L (CHEPR1003), 3 L (CHEPR1004)
Resistance Group :	4A

Reg. No. L9794 - Act No. 36 of 1947

ULTRATHOR™

ADVANCED FLOW Water-Based Termiticide and Insecticide

Next Generation Termite Protection & Control of Ants

Key Features

- ◆ Non-repellent to termites and ants; So they are totally unaware of its presence in the soil.
- ◆ Absorbs tightly to soil, has low solubility in water, and a low vapour pressure; As do its environmental degradates. Low application rates, combined with the unique ULTRATHOR formulation also reduces the risk of run-off.
- ◆ Fast elimination; Of termites and ants attacking buildings together with highly effective, long-term residual control.
- ◆ Viral Transfer Effect™; This unique mode of action allows ULTRATHOR to rapidly spread throughout the termite colony, the same way a virus spreads through the internet, infecting all in its path.

Performance

When termites and ants approach the ULTRATHOR Termite Defence Zone™, they pick up the molecules of fipronil. Those termites and ants that remain in the Termite Defence Zone, blissfully unaware of the presence of ULTRATHOR, will quickly die. Those termites and ants that do not remain tunnelling into the ULTRATHOR Termite Defence Zone usually survive long enough to transfer the ULTRATHOR to other termites and ants in the colony through grooming.

ULTRATHOR is toxic to termites and ants by contact or ingestion. It causes death to termites and ants by disrupting their nervous system. It binds to three types of chloride-channels on the membranes of insect neurons, preventing calcium ion influx into the cell. One of these channels is controlled by the neurotransmitter gamma-aminobutyric acid (GABA) and the other two are controlled by glutamate. The presence of three different target sites accounts for ULTRATHOR's high potency against termites and ants.



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Product Details

Active Ingredients:	100 g/L FIPRONIL
Insecticide Group:	Fipronil is a broad spectrum phenylpyrazole insecticide
Formulation Type:	Water based termiticide and insecticide
Pests Controlled:	Subterranean termites and Ants
Pack Size / Code:	1 L (CHEUL1007) 3 L (CHEUL1016)
Resistance Group:	Group 2B insecticide

Reg. No. L9296 - Act No. 36 of 1947

BITHOR®

Dual Action Insecticide

Two actives, two different modes of action combine into the unstoppable non-repellent.

Key Features

- ◆ **Two Actives;** Each with a totally different mode of attack combine into one unstoppable insecticide that is stronger than its individual components.
- ◆ **Non Repellent;** Bifenthrin is combined with the non-repellent imidacloprid, to create a combination product that is effectively non-repellent.
- ◆ **Blended Active Concentrate (BAC) Technology;** The two actives are milled and blended together so they meld into one to disguise their presence.
- ◆ **Long term;** Residual action is provided through the intensified effects of two well known and trusted actives.
- ◆ **Power From Synergy;** By combining two actives from two totally different chemical groups we create a unique product that kills the toughest pests. The two actives combine together to create a synergistic effect with each actively intensifying the effects of the other, to create a more potent solution than either alone.
- ◆ **Two Different Modes of Action;** Imidacloprid is a neonicotinoid insecticide that acts as a synaptic toxin. It mimics the actions of the naturally occurring neurotransmitter, acetylcholine. In contrast, bifenthrin is a pyrethroid insecticide that acts as an axonic toxin affecting the sodium : potassium gate.

Performance

BITHOR DUAL ACTION blends two actives, bifenthrin and imidacloprid, together to form a micro-suspension concentrate, where the particle size is optimised to penetrate the insect cuticle more readily, whilst providing improved residual performance on a wide range of surfaces and under a wide range of weather conditions.



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Product Details

Active Ingredients:	45 g/L bifenthrin, 55 g/L imidacloprid
Insecticide Group:	Bifenthrin (pyrethroid), imidacloprid (neonicotinoid)
Formulation Type:	Odourless, water-based micro-suspension concentrate
Pests Controlled:	Ants, Cockroaches, Mosquitoes, Flies, Fleas, Ticks, Bed bugs, Spiders, Clothes moths, Fishmoths (silverfish), crickets and litter beetle
Pack Size / Code:	1 L (CHMB11017) 3 L (CHMB11018)
Resistance Group:	3A, 4A

Reg. No. L9717 - Act no. 36 of 1947

EXOTHOR™

Highly targeted insecticide

ACTIVELY STOP TIME ON MOSQUITO FLY, FLEA & COCKROACH DEVELOPMENT

Key Features

- Very high level of mammalian safety.
- Long-lasting residual activity against juvenile insect stages.
- Non-repellent, no odour.
- Compatible with most Ensystemx adulticides, including ATTRATHOR™, MAXXTHOR™ and BITHOR™ Highly targeted insecticide.
- Very high level of mammalian safety.
- Long-lasting residual activity against juvenile insect stages.
- Compatible with most Ensystemx adulticides, including ATTRATHOR™, MAXXTHOR™ and BITHOR™ Insect Growth Regulator prevents adult emergence of mosquitoes, house flies, fleas and cockroaches by stopping embryonic development.

Stops growth of target pests

- Eliminates the colony.
- Easy-to-measure granular formulation with less risk of spillage.
- Granules can be added directly to manure for control of house flies.
- Water-dispersible Highly targeted insecticide.
- Compatible with most Ensystemx adulticides, including ATTRATHOR Highly targeted insecticide.
- Very high level of mammalian safety.
- Long-lasting residual activity against juvenile insect stages.

Performance

EXOTHOR™ contains the active ingredient diflubenzuron, an insect growth regulator which affects chitin synthesis in insects.

EXOTHOR™ inhibits the formation of N-acetylglucosamine, leading to reduced levels of chitin in the cuticle. Cuticular elasticity and firmness are directly affected. The imperfections in the cuticle are most evident at ecdysis (moulting) and lead to abortive moulting.

Thus EXOTHOR™ causes the insect to die in the immature stage (nymphal or larval stage) since a new exoskeleton cannot be formed.



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Product Details

Active Ingredients:	200 g/kg diflubenzuron (benzoylurea)
Insecticide Group:	Group 15
Formulation Type:	Water dispersible granule
Pests Controlled:	Prevention of development of immature cockroaches, flies, fleas and mosquitoes to adulthood

Reg. No. L11063 - Act no. 36 of 1947

In addition EXOTHOR™ stops normal embryonic development. Control of Flies Control of Fleas & Cockroaches For fly control EXOTHOR™ can either be diluted with water and sprayed at a rate of 500 mL per square metre on the manure or breeding media.

More practically, the EXOTHOR™ dry granules can be applied directly to the surface of the manure or fly breeding media. The granules can be incorporated into the media if required, but this is not essential for good results. Control of Fleas & Cockroaches For fly control EXOTHOR™ can either be diluted with water and sprayed at a rate of 500 mL per square metre on the manure or breeding media. More practically, the EXOTHOR™ dry granules can be applied directly to the surface of the manure or fly breeding media. The granules can be incorporated into the media if required, but this is not essential for good results.

EXOTHOR™ is applied as a coarse spray to areas of infestation, focusing on cracks and crevices. EXOTHOR™ is an ideal accompaniment to applications of adulticides which will provide a quick knockdown and kill of insect adults, e.g. MAXXTHOR, BITHOR or ATTRATHOR. EXOTHOR™ will provide long-lasting effects in the prevention of future adult emergence and break the breeding cycle. For internal flea control it is recommended that the premises are first vacuumed and the contents of the vacuum bag removed before treatment. This is particularly important where adult fleas are present. Any pets should be treated with a suitable product registered for that purpose to avoid re-infestation of the treated premises. Control of Mosquitoes Apply at an early stage of population development when the majority of the larvae are in the first or second instar. Applications should be repeated when inspection indicates an increase in the number of second and third instar mosquito larvae. Apply in sufficient water to ensure even coverage of the breeding sites.

ECOTHOR

ACTIVE NATURE®



FLY-FREE TRAP

Fly Control that Really Works

Perfect for any outdoor area where flies are a problem.



Key Features

Control flies in any outdoor area... resorts, holiday parks, around commercial food processing and food handling establishments, around livestock, municipal waste sites and more. You can even enjoy the outdoor spaces around your home fly-free!

ECOTHOR ACTIVE NATURE FLY-FREE uses a pesticide-free 100% natural approach to fly control, employing a unique and highly attractive, food-based lure to draw the flies into the proprietary FLY-FREE Traps, from which there is no escape. Quite simply, FLY-FREE becomes their final resting place in this ecological approach to fly control. It's also simple and easy to set up and maintain!

Performance

FLY-FREE Granules are 100% food-based. The granules come in a water-dispersible sachet, so there is no messy preparation, just fill the FLY-FREE Trap with water and throw in the sachets. The sachets slowly dissolve and release the granules into the water. Over the next few days, the granules activate in the water and start to emit a highly attractive odour that flies just adore. After 2-3 days you will see many flies buzzing around the Traps.

The Traps contain our unique Unidirectional Cones. These Cones allow the flies to easily enter the FLY-FREE Trap. Since they cannot escape, the FLY-FREE trap, quickly becomes the flies' final resting place. You will likely be amazed just how many flies you will catch!



Product Details

Active Ingredients:	Pesticide-free, unique food-based lure
Formulation Type:	Trap with bait
Pests Controlled:	Common species of nuisance flies including house flies (<i>Musca domestica</i>), flesh flies (<i>Sarcophaga</i> spp), blow flies (Calliphoridae family), lesser house flies (<i>Fannia canicularis</i>) and horse flies (Tabanidae family).
Pack Size / Code:	5 L with 2 lure sachets, or 10 L bucket with 4 lure sachets (ENFF1025 / ENFF1026)
Resistance Group:	N/A

INSECT TRAP

Disposable 3-in-1 Cardboard Trap

Setting the standard for cockroach and stored product Insect attraction.



Key Features

This attractive, disposable 3-in-1 cardboard trap has a low profile making it easy to place in a variety of situations.

Ensystem spent a great deal of time researching cockroach behaviour and optimising the perfect blend of cockroach attractants to ensure premium results. We have then bench-marked this trap to ensure it is the best performing lure trap on the market. This has resulted from improvements to both the glue and the attractants used.

Cockroach behavioural studies by researchers such as Durier and Rivault at Université de Rennes, Professor Raubenheimer from the University of Sydney, SA Jones from Oxford University and Appel and Rust at the University of California, Riverside have revealed a great deal about cockroach feeding and foraging behaviour. This knowledge has been developed into the latest versions of this product to provide outstanding performance characteristics.

The attractants are incorporated into the glue, which better suits the requirements of HACCP programs. However, the release technology and attractants used ensure the traps keep attracting cockroaches and stored product insects for a good three months or more. The glueboard will catch and retain nymphs and adults of all important pest species, including *Periplaneta* cockroach species.

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Product Details

Active Ingredients:	Natural plant oil lure
Insecticide Group:	N/A
Formulation Type:	Sticky base impregnated with food lure
Pests Controlled:	Adult & nymph cockroaches including <i>Periplaneta</i> cockroach species and stored product insects
Pack Size / Code:	(CHEBT1000) Pack of 10
Resistance Group:	N/A

Performance

Each ECOTHOR Insect Trap is versatile and can be used as either a single large trap, in areas of higher infestation; or it can be separated to form three small monitor traps, allowing you the opportunity to make more placements, which is particularly useful when monitoring to determine the effectiveness of your control programs.

INSECT MONITOR

Heavy-duty Reusable Monitor / Trap with Glueboard

Powerful natural plant oil lure.



Key Features

This is a heavy-duty, plastic Monitor and Trap. The ECOTHOR ACTIVE NATURE Insect Monitor has been designed for use in any position with angled entry ramps that ensure insects enter first time. Use your ECOTHOR ACTIVE NATURE Insect Monitor over and over again with a glueboard that is easily replaced.

- Early detection of pests, even when low levels of infestation are present.
- Information on the distribution and extent of pest problems throughout a location to enable you to pinpoint the source of an infestation.
- Data for optimum timing and location of pesticide applications, which assists in reducing the number of treatments.
- Assessment of the efficacy of control measures when used post-treatment.
- Continuous monitoring of pest populations.
- As a population reduction measure in premises where chemical treatments are not possible.
- Professional presentation enhances your image with your clients.

Performance

Designed for use in any position, even on its side, or upside down in a cupboard. Angled entry ramps ensure insects enter first time. This re-usable Monitor can be used again and again, in fact we recommend it.

When cockroaches gather they release pheromones which attract even more cockroaches. These natural aggregation pheromones account for a complex cocktail of more than 150 chemicals, so mimicking this effect is almost impossible.

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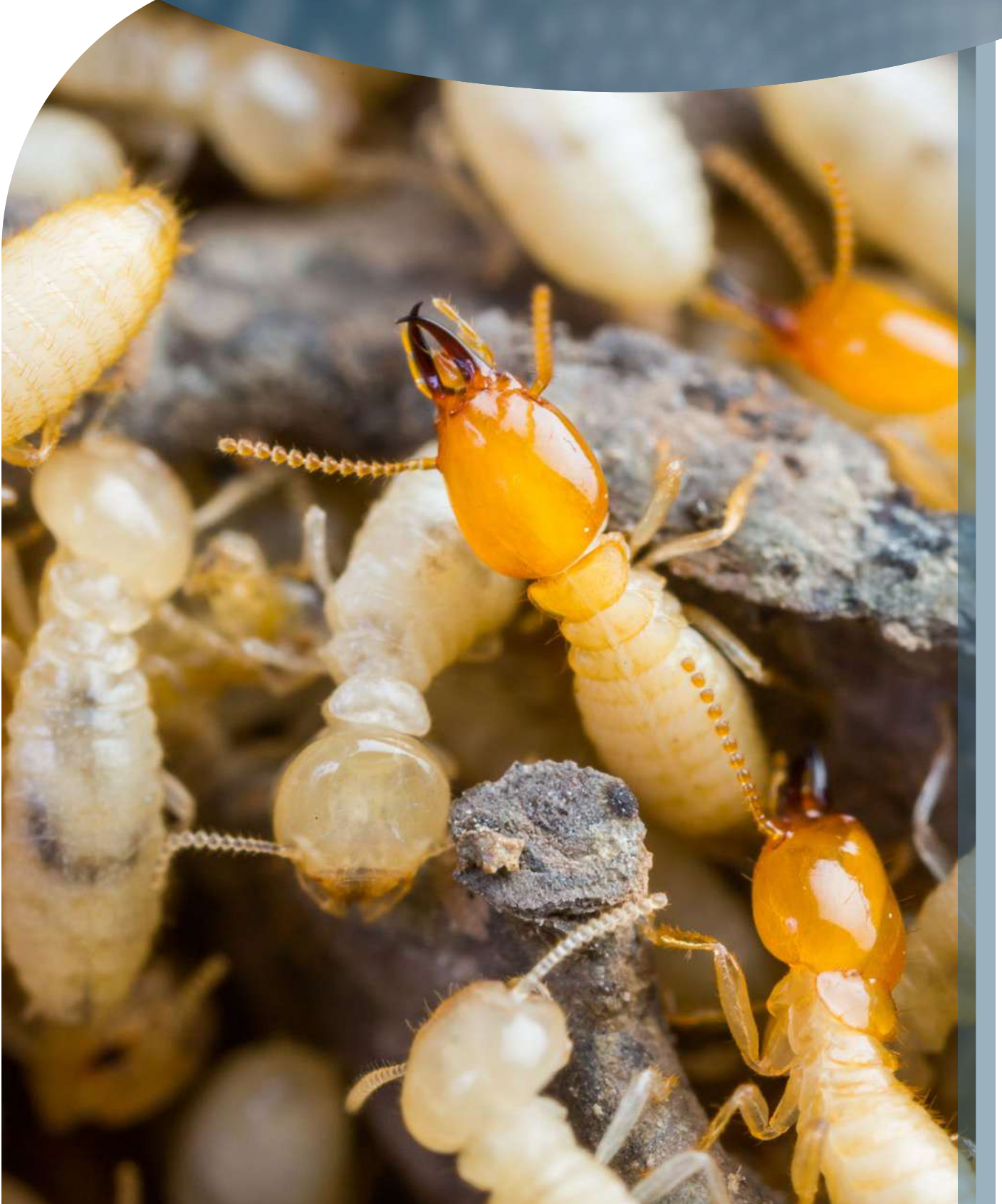
Product Details

Active Ingredients:	Natural plant oils (attractant)
Pesticide Group:	N/A
Formulation Type:	Hard trap
Pests Controlled:	Cockroaches and stored product insects CHEBI1014 without glueboard
Pack Size / Code:	CHEBI1015 Glueboard Refills : Pack of 100
Resistance Group:	N/A

Research shows that cockroach deposits are the main repository for the pheromones and they continue to be attractive for a year or more.

The ECOTHOR ACTIVE NATURE Insect Monitor ensures that by replacing only the glueboard these very effective, natural aggregation pheromones remain; so you have the dual action of a powerful natural plant oil lure combined with the additional attractiveness of natural pheromones.

EXTERRA[®] Termite Baiting



EXTERRA[®]

Termite Colony Elimination with REQUIEM[®] Termite Bait

The World's Number One Termite Baiting System, Total Elimination of Termites - GUARANTEED.



Key Features

- ◆ **Environmentally friendly;** EXTERRA is different. A truly safe, environmentally friendly way to eliminate termites, EXTERRA uses a termite's natural instincts against them, eliminating the attacking termites AND their whole colony.
- ◆ **Total Security;** Protects from the invasion of termites, continually. Even after the colony is eliminated, EXTERRA Stations guard using the natural power of CO₂, monitoring for future invasions without the ongoing need to reapply chemicals. EXTERRA provides a long term termite solution that's easy on both you and the environment.
- ◆ **REQUIEM[®];** is the most palatable termite bait in the world, it is truly irresistible to termites. Housed within the EXTERRA Station, it is this greatly superior palatability that makes EXTERRA the number one system in the world.
- ◆ **EXTERRA;** is safe for you, your family, pets and nature. EXTERRA focuses on total termite colony elimination without chemicals, guaranteeing the most effective results.
- ◆ **FOCUS Termite Attractant™;** EXTERRA is the only system that uses naturally generated CO₂ to attract the termites into the Stations to guarantee quicker interception and better results.
- ◆ **Larger Stations;** Preferred by termites to further improve performance.



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Product Details

Active Ingredients:	1.0 g/kg chlorfluazuron
Insecticide Group:	Insect growth regulator
Formulation Type:	Cellulose based bait
Pests Controlled:	Subterranean termites

REQUIEM Termite Bait - Reg. No. L8796 - Act No. 36 of 1947
FOCUS Termite Attractant - Reg. No. 8795 - Act No. 36 of 1947

Performance

In-ground Stations containing hardwood timber interceptors are placed in-ground to intercept foraging termites and protect the property. Above-ground Stations are the preferred approach when termites are already active in the property. REQUIEM™ Termite Bait is placed in the sealed station when it is installed. Above-ground Stations speed up the process of colony elimination. After the termite colony is eliminated, the Above-ground Stations are removed.

When the termites are intercepted, they are easily detected in the EXTERRA Stations. The unique (patented) design allows for termites to be seen without disturbing them. And the termites are not disturbed when the REQUIEM Termite Bait is added either. REQUIEM Termite Bait is highly palatable and consumed in preference to timber. In fact, termites can't resist REQUIEM, leading to the colony's quick demise.

Hygiene Treatment



FUMITHOR™ HYGIENE

Disinfectant Smoke Generator

A highly effective and unique method for improved sterilisation, used extensively throughout Europe. It's a low toxic, dry smoke disinfectant with potent bactericidal, virucidal and fungicidal properties, the perfect hygiene solution for modern industry and society.

Key Features

- Uniquely uses two different active ingredients for improved results.
- A broad-spectrum microbicide, effective against all vegetative bacteria, fungi, and viruses, it is also sporicidal.
- Optimal effective use of small quantities of disinfectant which minimises any impact on the environment while maximising results.
- Disinfectant is deposited everywhere (vertical, horizontal and underside of horizontal surfaces) which ensures a more thorough treatment.
- Easy to treat inaccessible areas - roofs, false roofs, nooks and crannies, etc.
- Lower operator and worker exposure to disinfectants makes it safer.
- It does not increase the humidity of the treated rooms meaning fungal growth is not encouraged.
- Effective treatment of any enclosed area.

Product Details

Active Ingredients:	35 g/kg glutaraldehyde 70 g ortho-phenylphenol
Formulation Type:	Smoke generator
Pack Size / Code:	1 kg generator treats 2000 - 4000 m ³ (CHEFS1007) 400 g generator treats 800 - 1600 m ³ , (CHEFS1008) 100 g generator treats 200 - 400 m ³ , (CHEFS1007) 50 g generator treats 100 - 200 m ³ (CHEFS1013) 25 g generator treats 50 - 100 m ³ , (CHEFS1006)

NRCS Reg. No. 5GNR529/289759/140/1032



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Performance

Glutaraldehyde is an organic compound that is highly effective as a disinfectant/sterilant and widely used in medical and surgical fields. Ortho-phenylphenol is an organic compound and a powerful biocide with strong bactericidal and fungicidal properties. It is commonly used as a general surface disinfectant in households, hospitals, nursing homes, farms, laundries, barber shops, and food processing plants. Together they provide a complete solution to your needs for a germ free environment.

FUMITHOR HYGIENE is ideal for enclosed areas in ANIMAL HEALTH poultry, egg production, animal breeding facilities, kennels; PUBLIC HEALTH health institutions and premises, medical centres, clinics, surgery areas, ambulances, saunas, gyms, pools, schools, hotels, cinemas, theatres, libraries, warehouses, offices, homes; FOOD INDUSTRY bakeries, mills, slaughter houses, food processing areas, food and vegetable storage; CROP PROTECTION post-harvest, silos, warehouses, ships, greenhouses, cold stores, containers, etc.

Pests Controlled:

Viruses including: avian reovirus, avian rotavirus, infectious bronchitis, Pseudorabies virus, infectious bursal disease, avian influenza, Newcastle disease, porcine reproductive respiratory syndrome, hog cholera = HC, avian laryngotracheitis, Marek's disease virus, human Corona virus.

Bacteria including: Aeromonas punctata, Bacillus mycoides, Bacillus subtilis, Desulfovibrio desulfuricans, Enterobacter aerogenes, Escherichia coli, Leuconostoc mesenteroides, Proteus mirabilis, Pseudomonas fluorescens, Pseudomonas aeruginosa, Staphylococcus aureus, Listeria monocytogenes, Mycobacterium tarrae, Propionibacterium acnes, Salmonella choleraesuis, Bacillus cereus, Legionella pneumophila, Klebsiella aerogenes, Klebsiella pneumoniae, Desulphovibrio desulphuricans.

Yeasts & fungi including: Candida albicans, Candida krusei, Rhodotorula mucilaginosa, Rhodotorula rubra, Saccharomyces bailii, Saccharomyces cerevisiae, Torula utilis, Alternaria tenuis, Aspergillus flavus, Aspergillus niger, Aspergillus terreus, Aspergillus ustus, Chaetium globosum, Mucor racemosus, Penicillium brevicale, Rhizopus stolonifer, Thiyocphyton mentagrophytes, Thiyocphyton rubrum, Stachybotrys atra, Penicillium funiculosum, Tricoderma viridae.

AVITHOR™ Bird Control



SYMTERRA by AVITHOR

Innovative Bird Control

A revolutionary technology that stops birds from landing on structures IMMEDIATELY & PERMANENTLY

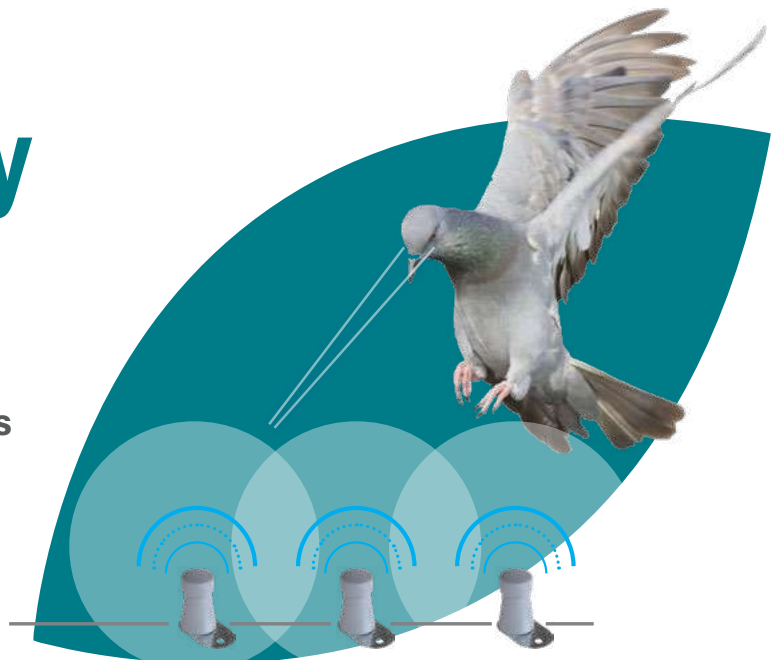
Key Features

STMTERRA, an innovative solution in bird control, was designed to address the challenges of bird infestations in a humane and effective way, utilising advanced science and intelligent mechanisms to safeguard your premises.

Conceived by a Quantum Physicist, and developed by experts in Ornithology and Entomology, STMTERRA uses applied science to disrupt the migratory physiology of birds.

Birds decode information about the Earth's magnetic field through a protein in their retina and use this data to guide and direct their flight. STMTERRA generates silent, invisible electromagnetic waves, which disrupt their ability to navigate and land. Birds are deterred as they approach the system and turn away.

- **SAFE & HUMANE:** The STMTERRA system does not emit problematic radio frequency (RF) nor ultrasound waves. It operates at 2,500 Volts AC at 0.021 amps, has a power consumption of 25 Watts and an output frequency in the audio frequency (AF) spectrum. This frequency is converted into an electromagnetic pulse and is not audible or harmful in any way. It will never interfere with electrical systems, Wi-Fi, electronic communications or other systems. Birds and people should NEVER be harmed by STMTERRA.
- **PROVEN HUMANE, GREEN & EFFECTIVE:** STMTERRA was recently studied by the highly rated University of Arizona's College of Agriculture and Life Sciences Department of Entomology in conjunction with Oregon State University. Their published findings show a virtually 100% efficacy rate for bird abatement while simultaneously doing NO harm to the birds. STMTERRA is a 100% eco-friendly solution!
- **CERTIFICATION:** The STMTERRA system has obtained FCC, Industry of Canada, CE and UKCA compliance that validate its compliance with health and safety standards for safe operation around humans and other electronic devices. STMTERRA is registered under the Australian Electrical Equipment Safety System (EESS).



Product Details

STANDARD KIT COMPONENTS	IP 65 Power Control Unit 160 m Stainless Steel Wire 25 m Double Insulated Wire 100 Capacitors - Available in Roof, Clip, or Magnetic style 20 Connection Rings 20 Connector Springs 4 Warning Stickers 2 Year Manufacturer Warranty
Pests Controlled:	Works for ALL BIRDS

Performance

STMTERRA creates a low-intensity magnetic pulse which directly affects the bird's navigational ability. Birds will not land and divert elsewhere. FOREVER.

Each STMTERRA system can cover up to 180 linear metres.

AVITHOR™ NET

Cost Effective, Long Lasting Anti-Bird Protection System

Key Features

AVITHOR NET comes in black, used in most situations; or by special order, stone colouration for historical buildings.

In Australia it is available in 50 mm (for gulls and pigeons) and 19 mm (for starlings and sparrows) mesh sizes. In use it is almost invisible. Made of UV stabilised polyethylene it is chemically inert, rot proof, and highly resistant to weathering and a wide range of chemicals.

- AVITHOR NET is:
- ◆ Long-lasting
 - ◆ Ecological
 - ◆ Inconspicuous
 - ◆ Cost effective



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Pack Size / Code:	AVIN1001, 19 mm, 10 x 10 m
	AVIN1002, 19 mm, 10 x 20 m
	AVIN1020, 19 mm, 20 x 20 m
	AVIN1003, 50 mm, 10 x 20 m
	AVIN1004, 50 mm, 10 x 10 m
	Other sizes available on special order.

AVITHOR DADDI LONG LEGS™

Bird Deterrent System

Key Features

Protects against most large bird species in low or medium pressure areas.

The AVITHOR DADDI LONG LEGS™ Bird Deterrent is designed to prevent birds from landing in hard to protect areas. Ideal for open spaces such as flat roofs or air conditioning units, as well as other situations such as domed or pointed roof peaks, and other areas where alternatives such as spiking or netting are too difficult or not possible.

The thin, stainless steel rods rotate in the breeze and wave menacingly, interfering with birds as they attempt to land. Designed to be as discrete as possible DADDI LONG LEGS is almost invisible from a distance of 20 m or more. Being inconspicuous the DADDI LONG LEGS can be installed in high traffic or public areas with little risk of it causing offense by its appearance.



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Sizes Available	1.2 m / 1.8 m / 2.4 m
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The DADDI LONG LEGS is for the safety conscious, the stainless steel rods are fitted with plastic tips to ensure no injury to birds, humans or other animals.

AVITHOR™ E4 DETERRENT SPIKES

Deters birds from landing or nesting on protected surfaces.

Key Features

Protects against most bird species in medium or high pressure areas.

Once fitted, AVITHOR E4 DETERRENT SPIKES form a virtually invisible barrier to deter birds from landing or nesting on the protected surfaces, while causing them no harm.

Protects all types of buildings, any type of surface. Ledges, roosting spots, chimneys, windows, etc.

Effective protection against pigeons, gulls, sea gulls and other medium to large sized birds.

Major benefits of AVITHOR E4 DETERRENT SPIKES include;

- Easy to fit
- Economical
- Discreet
- Proven success

Performance

With an effective protection width up to 160 mm they are suited to protect against pigeons, gulls, sea gulls and other medium to large sized birds.

AVITHOR E4 DETERRENT SPIKES are made of the highest-quality Stainless Steel, with a Spike Diameter of 1.3 mm and a UV Stabilized Polycarbonate Base.

Spike dimensions are: 85 mm Low Height, 125 mm High Height, 130 mm Width, 500 mm Length.

They are jointly pliable to avoid injuring birds whilst preventing landing.

Secure with AVITHOR AVIS2001 Selfixing Silicone Sealant. If required, apply a primer on porous surfaces.

Alternatively, the spikes can be secured with screws or nails.



* CONDITIONS APPLY

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Product Details

Materials / Size: Spikes in stainless-steel / Steelinox® / Steelinox®+ Highest-quality Stainless Steel, Spike Diameter 1.3 mm; with UV Stabilized Polycarbonate Base.
85 mm Low Height
125 mm High Height
130 mm Width
500 mm Length

AVITHOR DETERRENT SPIKES are manufactured using non-corroding materials.

Pests Controlled: Most bird species

Pack Size / Code: Carton contains 120 x 500 mm runs (total 60 m), weight approx 12 kg.

RODENTHOR® Rodent Control



GORILLA RODENT TRAPS & NARA® LURES

World's Toughest & Most Humane Traps with Allergen-Free Monitor

Many food standards prohibit the use of anticoagulants for monitoring purposes. Most common baits are prone to mould formation in damp areas. NARA BLOCS and STICS solve these problems and GORILLA TRAPS, with CE certification, provide a unique humane control solution.

Key Features

- **Strongest mouse traps;** Bait socket made especially for NARA® STIC. High quality springs delivering most humane capture of mice.
- **Most humane rat trap;** Strongest springs available for humane kill of rats. Compliant with BANANA adapter for eMitter BEEP.
- **Bait;** socket made especially for NARA® STIC.
- **Emitter Beep;** Pest control often requires traps to be placed in difficult to reach rodent harbourages that are costly to inspect and the client needs instant notification of a rodent capture. One easy answer is the eMitter BEEP. A super simple but highly reliable and effective audio warning sounds when a rodent trap has potentially caught a rodent.
- **Traps fit most Stations;** Place traps stand alone or in a RODENTHOR Station.
- **NARA STICS;** are designed to fit into the GORILLA TRAPS. NARA STICS have from 3 months up to 12 months long lasting efficacy in a variety of different aromas. Professionals now rely upon NARA STIC, the most hygienic and long-lasting way to bait traps. No cleaning up afterwards and no fast decrease of efficient monitoring with up to 12 months of non-stop activity.
- **NARA BLOCS;** monitor for rodent activity and determine the rodent species present. NARA BLOCS are the first allergen free non-toxic rodent monitor. Allergen-management has become a major topic in many food production companies. Food-based monitoring blocks have a critical disadvantage as they serve as food for rodents, helping them to survive and increase the risk of rising



Product Details

Pests Controlled:	Rats & Mice
Product / Code:	GORILLA TRAP - Rat (RDTF1011) GORILLA TRAP - Mouse (RDTF1012) NARA BLOC Choco-Nut Pack 20 (RDTF1009) NARA BLOC Fish Pack 20 (RDTF1006) NARA BLOC Meat Pack 20 (RDTF1007) NARA BLOC Vanilla Pack 20 (RDTF1008) NARA STIC Choco-Nut Pack 100 (RDTF1005) NARA STIC Fish Pack 100 (RDTF1002) NARA STIC Meat Pack 100 (RDTF1003) NARA STIC Vanilla Pack 100 (RDTF1004) eMitter BEEP (RDTF1013)

reproduction. Moreover, they are prone to mould formation in damp areas and are often infested by non-target organisms, e.g. flour beetles, cockroaches, ants and snails. This simply makes it impossible to determine the rodent species present. With NARA BLOCS from Ensystem you can identify the species present according to visible bite marks on the BLOCS. In an idealised rodent management program, we should be minimising the use of toxic baits. Only after the determination of rodent activity should rodenticides be used. Thus NARA BLOCS should be your product of choice for rodent maintenance programs. NARA BLOCS come in a range of flavours and last up to 12-months..

Performance

The safest most effective options for the food industry.

NARA[®] SPRAY

Attractive Spray - Monitoring for Rats & Mice

Spray NARA Spray onto your stations and lay a trail towards them in order to improve your results.

Key Features

- ◆ **Supports non-toxic monitoring;** By allowing you to leave a trail to lure rodents to traps and mask the smell of plastic stations.
- ◆ **Highly attractive;** For all commensal rodents.
- ◆ **Beneficial monitor;** Can be used to spray any station to mask smells of plastic or human odours and make the stations more attractive.
- ◆ **With handy holster and belt;** So you can always have it with you when doing rodent work.

Performance

Rodent stations and traps are made of plastic. Plastic has its own chemical smell. If you hold a lighter to anything plastic it smells extremely toxic. This can be compared to what rodents smell when entering a rodent station. Rodents sense of smell is many times better than humans.

NARA Spray seals away the plastic smell, making stations attractive to rodents. The scent lasts around 2-3 months and needs to be renewed, but after repeated application it will slowly soak into stations. Renewing the scent every few months adds fresh attraction to stations luring in new generations of pests.

NARA Spray can also be used to spray a bait-line towards stations, to lure rodents from the bushes or holes into the station. The theory comes from hunting, where hunters drag a dead rabbit to a trap to catch foxes. Scientific trials showed that rodents are curious and follow the smell over large distances, even up to 40 m, with their sensitive noses - like an irresistible cookie trail.

The spray is not only an aroma scent, but it also feeds them with a nutritious vegetable oil, so they feel the desire for more. It consists of 100% vegetable rapeseed oil which is super nutritious for rats and mice and has its own natural scent that is refined with an added meat/beef aroma mixture.



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Product Details

Pack Size / Code: NARA Spray Meat Each (RDTF1014)

MUSKIL[®] DUAL ACTIVE RODENTICIDE BLOCKS

A Generational Breakthrough in Rodenticide Technology Kills Rats & Mice Faster Than Other Rodenticides

First rodenticide to include fluorescent tracking with palatability optimised to the the rodent's senses of sight, smell and taste.

Key Features

Contains 10 g Blocks so your bait goes further.

- **Two actives;** MUSKIL blends two different Second Generation Anticoagulant Rodenticides (SGARs), difenacoum and bromadiolone, together to create a rodenticide that outperforms any other product in the market in terms of speed of kill and reduced risk to pets.
- **MUSKIL has also been uniquely formulated;** To provide improved palatability. MUSKIL's FLUO-NP Technology helps overcome Bait Shyness and allows you to track rodents and bait consumption for improved monitoring and higher standards of safety in HACCP managed food establishments.
- **Power from synergy;** By combining two actives we create a unique product that kills the toughest rodents, including those resistant to other anti-coagulant rodenticides. The two actives combine together to create a synergistic effect with each dynamically intensifying the effects of the other, to create a more potent solution than either alone, yet at the same time achieving reduced risk to people and pets.
- **Cost Effective;** MUSKIL kills rodents faster, so often less bait is consumed, which helps reduce the costs of your management programs. Plus the neophobic response to MUSKIL is much lower than with traditional baits using standard dyes, therefore bait is accepted more quickly, more palatable and more efficient in use.
- **FLUO-NP Technology;** is an abbreviation of Fluorescent No Phobia. The No Phobia aspect is in reference to how MUSKIL overcomes the rodent's natural neophobia, which relates to the commonly observed behaviour of bait shyness, where rodents are reticent to feed on a bait. Numerous field trials and commercial results have proven that MUSKIL can defeat bait shyness.

FLUO-NP[™]

UV TRACKING TECHNOLOGY



10 g
BLOCKS



USING SUSTAINABLE
RECYCLED PACKAGING

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Product Details

Active Ingredients:	0.025 g/kg bromadiolone, 0.025 g/kg difenacoum
Insecticide Group:	Hydroxycoumarins
Formulation Type:	All weather block
Pests Controlled:	Rats and mice
Pack Size / Code:	10 kg (RDTM1000) 3 kg (RDTM1001)

Reg. No. L10359 - Act. No. 36 of 1947

Performance

The FLUO-NP contributes to the primary bait acceptance of MUSKIL, thereafter, the formulated ingredients enhance the palatability. MUSKIL has been prepared specifically for Australian and Asian markets and provides improved palatability for our local rats and mice, especially the black rat (*Rattus rattus*). MUSKIL employs high quality aromatic ingredients to entice rodents to the bait coupled with high grade proteins to ensure optimal feeding.

All rodenticides have added colour dyes to deter feeding by birds and other animals with full colour vision. However all the usual dyes used in rodent baits can be detected by rodents and do slightly deter feeding. University trials have shown that the FLUO-NP dyes used in MUSKIL are non-detectable to rodents providing for further improvements in palatability.



MUSKIL®: A DUAL ACTIVE RODENTICIDE FOR THE PROFESSIONAL MARKET THAT LIMITS SECONDARY POISONING RISKS TO OWLS©

MAY 2022

DISCLAIMER: THE GRIFFON POISON INFORMATION CENTRE ACCEPTS NO RESPONSIBILITY WHATSOEVER FOR ANY ADVERSE EFFECTS RESULTING FROM THE USE OF THIS INFORMATION. IT REMAINS THE RESPONSIBILITY OF THE CONSUMER TO APPLY RODENTICIDES STRICTLY AS INDICATED ON LABEL INSTRUCTIONS ACCORDING TO THE FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947 (ACT NO. 36 OF 1947) AND TO TAKE ALL POSSIBLE MEASURES TO PREVENT UNNECESSARY EXPOSURE OF PEOPLE AND NON-TARGET ANIMALS TO RODENTICIDES.

MUSKIL®

Muskil® contains bromadiolone (indanedione) as well as difenacoum (coumatryl) as the active ingredients (registration number L10359, Act No. 36 of 1947, CAUTION, registration holder is Mr Stefano Migliore).

TOXICOLOGY AND POISONING

Bromadiolone and difenacoum are both anti-coagulant rodenticides and present a useful tool against rodents that have developed or are developing resistance against the typical warfarin type rodenticides. Both active ingredients are very toxic to mammals hence they are highly effective against rats and mice. The active ingredients metabolise partly in the animals' intestines with small quantities remaining in the liver unlike some other types of rodenticides that do not metabolise. This makes Muskil fairly compatible with owls if the product is used professionally only and with all the necessary precautions as determined by the registration holder, the distributor and the Griffon Poison Information Centre.



Muskil® is registered for the control of roof rats (black rats), Norwegian rats (brown or ship rats) and house mice

The Griffon Poison Information Centre endorses Muskil ® for *professional use only* as an effective rodenticide that reduces the risk of secondary poisoning to owls and to manage resistance management

**CONDITIONS FOR THE ENDORSEMENT DIRECTED USE OF MUSKIL®
BY PROFESSIONAL PEST CONTROL OPERATORS**

- ❖ **Muskil® may only be applied in good quality tamper-proof bait stations out the reach of children and non-target animals.**
- ❖ **Clients must be instructed to keep children and pets away from bait stations to prevent unnecessary exposure and potential poisoning.**
- ❖ **Check bait stations daily and recover any spilt bait and dispose of it. Any left over baits that have not been consumed, must also be recovered and disposed of.**
- ❖ **Dead or dying rodents must be collected and disposed of to prevent secondary poisoning.**
- ❖ **Any exposure of people or pets to Muskil® must be reported immediately to the Griffon Poison Information Centre for advice on managing such incidents to prevent primary poisoning.**
- ❖ **Professional pest control operators may not market or promote Muskil® as safe for owls or anything else; it may only be covered to clients that the correct use of Muskil® poses a reduced risk of secondary poisoning to owls.**

WARNING!!

APPLY MUSKIL® STRICTLY ACCORDING TO THE LABEL INSTRUCTIONS, ESPECIALLY AS IT DICTATES THE USE OF BAIT STATIONS. FAILURE TO DO SO WILL RESULT IN SEVERE PENALTIES ACCORDING TO ACT NO. 36 OF 1947

GRIFFON POISON INFORMATION CENTRE
24 HOUR POISONING EMERGENCY HELPLINE 082 446 8946

Muskil® is a registered trademark of Zapi S.p.a. Muskil® is registered to Mr Stefan Migliore and is distributed exclusively by ENSYSTEX South Africa, 080-367-9783

RODENTHOR[®] Monitoring Blocks

A True Single Feed Rodenticide

For use in all situations, against
all pest species of rats & mice.

Key Features

MONITOR BLOCK BASED ON MUSKIL WITHOUT
ACTIVE INGREDIENTS PALATABILITY OPTIMISED TO
RODENT'S SENSE OF SIGHT, SMELL AND TASTE

Product Details

Food Monitoring Blocks

Active Ingredients:	0.05 g/kg brodifacoum
Insecticide Group:	Hydroycoumarin
Formulation Type:	All weather block
Pests Controlled:	Rats and mice
Pack Size / Code:	5 kg (RDTB2001)

Reg. No. L9396 - Act 36 of 1947



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Performance

RODENTHOR Block Rodenticide is a tough, efficient eliminator of rats and mice. The extruded block has effective weather resistance to make it survive in most environments. One feed is all that is required to kill a rodent. The 20 g block uses the most potent rodenticide on the market, brodifacoum, and is optimised to tackle rodents without using excessive bait, so your purchase goes further.

RODENTHOR® BLOCK RODENTICIDE

A True Single Feed Rodenticide

For use in all situations, against
all pest species of rats & mice.



Key Features

Contains 10 g Blocks so your bait goes further.

- ◆ **Ready to use block bait;** Suitable for use in damp or dry situations in and around industrial, commercial, public services, agricultural and domestic buildings.
- ◆ **Works in the toughest situations;** Controls rodents resistant to other anticoagulants, including warfarin, coumatetralyl and bromadiolone.
- ◆ **Clever design;** The block has been designed with a central hole for easy mounting in various situations and several sharp corners to increase its attractiveness to rodents by providing numerous gnawing edges.
- ◆ **Economical block size;** The 10 g block allows more placements, reduces wastage and provides for more effective control of rats and mice.
- ◆ **Irresistible to mice and rats;** This highly palatable extruded block uses the highest quality ingredients to ensure it is irresistible to rats and mice.

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Product Details

Active Ingredients:	0.05 g/kg brodifacoum
Insecticide Group:	Hydroxycoumarin
Formulation Type:	All weather block
Pests Controlled:	Rats and mice
Pack Size / Code:	10 kg (RDTB1039) 5 kg (RDTB1038)

Reg. No. L9396 - Act 36 of 1947

Performance

RODENTHOR Block Rodenticide is a tough, efficient eliminator of rats and mice. The extruded block has effective weather resistance to make it survive in most environments. One feed is all that is required to kill a rodent. The 10 g block uses the most potent rodenticide on the market, brodifacoum, and is optimised to tackle rodents without using excessive bait, so your purchase goes further.

RODENTHOR[®] SOFT BAIT

Fatal Attraction

Irresistible to rodents, and a single feed is lethal to every rodent, every time.

Key Features

Contains 10 g Sachets so your bait goes further.

- ◆ **Made from the finest ingredients;** RODENTHOR's soft pasta base is by far the most palatable bait presentation for rodents.
- ◆ **Each 10 g sachets is enough to kill a rat;** Whilst ensuring your purchase goes further.
- ◆ **Attractive;** The edible sachets allow the release of the carefully selected aromas which draw rodents to the bait. They then readily feed on the high protein, moist pasta-based bait which provides both a high quality food source, and moisture.



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Product Details

Active Ingredients:	0.05 g/kg brodifacoum
Insecticide Group:	Hydroxycoumarin
Formulation Type:	Soft paste bait in an edible sachet
Pests Controlled:	Rats and mice
Pack Size / Code:	3 kg (RDT1004)

Reg. No. L9586 - Act no. 36 of 1947

Performance

RODENTHOR Soft Bait is a tough, efficient eliminator of rats and mice. One feed is all that is required to kill a rodent. The 10 g bait uses the most potent rodenticide on the market, brodifacoum, and is optimised to tackle rodents without using excessive bait, so your purchase goes further. Due to it being the most palatable bait formulation on the market, this should always be considered as your first choice for rodent baiting programs, especially at difficult sites.

RODENTHOR[®]

Rat & Mouse Stations

All Stations can be personalised with your logo printed directly onto the Station.



Bora Station

HIGH-DOMED STATIONS IS PERFECT WHEN USING TRAPS FOR RATS.

This Station is ideally suited for use with our high-power, humane GORILLA TRAPS and features a child-resistant, double lock system, two horizontal wires to hold the bait, two inner trays, key and a wall adapter. Made of sturdy polypropylene.

- Dimensions:
155 x 255 x 325 mm

Product Code: RDTS1002



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Beta Rodent Station

COMPACT STATION FOR RATS AND MICE

Our most popular model with child-resistant features, double lock system, steel rod and a removable tray for easy cleaning. This station also comes with a wall mounting bracket kit.

- Dimensions:
230 x 190 x 95 mm



Product Code: RDTS1001

Coral Station

ULTRA COMPACT STATION FOR RATS AND MICE

Very cost effective, durable, versatile and ultra compact to fit just about anywhere. The side opening lid offers greater installation flexibility and single locking mechanism provides ease of operation. Comes with steel rod, wall mounting bracket kit and removable tray for easy cleaning.

- Dimensions:
230 x 125 x 75 mm



Product Code: RDTS1067

Neptuno Rodent Station

VERSATILE MID-SIZE STATION FOR RATS AND MICE

A truly multi-purpose station for use in many different configurations. Available with feeding trays, vertical and horizontal feeding rods for bait, water container, large snap trap and more.

- Dimensions: 235 x 185 x 90 mm



Product Code: RDTS1018

RODENTHOR Maxx – Flat

COMPACT STATION FOR RATS AND MICE

This might be considered the perfect rodent station. Full size for rats and mice, fully lockable, it comes with a seal to protect the lock. Wall security mount included. Fits rodenticide Blocks or sachets on vertical or horizontal rods, includes tray. Fits RODENTHOR GORILLA Humane Rat Trap. Also available with clear lid.

◆ Dimensions: 230 x 182 x 98 mm



Product Code: RDTS1075

RODENTHOR Maxx – Curve

COMPACT STATION FOR RATS AND MICE

A curved lid gives more room for rodents to feed. Full size for rats and mice, fully lockable, it comes with a seal to protect the lock. Wall security mount included. Fits rodenticide Blocks or sachets on vertical or horizontal rods, includes tray. Fits RODENTHOR GORILLA Humane Rat Trap. Also available with clear lid.

◆ Dimensions: 230 x 182 x 120 mm



Product Code: RDTS1076

Alpha Rodent Station

TUNNEL BAIT STATION

Sturdy, long lasting station is suitable for both rats and mice and is a cost-effective professional and long-lasting alternative to cardboard rodent boxes. Ideal for placement in roof voids, behind large appliances, etc. Comes fitted with bait rod holder and single key locking system. Rats in particular like to 'run-through' stations of this nature since they can clearly see the exit.

◆ Dimensions: 240 x 105 x 95 mm



Product Code: RDTS1000

Peti Mouse Station

COMPACT STATION FOR MICE

Highly durable mouse station capable of housing 2 blocks or soft bait sachets with single key lock for safety.

◆ Dimensions: 125 x 100 x 40 mm



Product Code: RDTS1003

Eris Mouse Station

SECURE MOUSE STATION

This is a small, discreet, water-proof, Station with same secure locking system as our other Stations that comes together with our patented security wall mount adapter.

Rodenticide blocks can be secured vertically with the lid opening laterally for easier servicing.

- ◆ Dimensions: 173 x 69 x 52 mm



Product Code: RDTS1074

Rock Station

ROCK STATION

Placed around the perimeter of your landscaped gardens, you might never notice this wasn't a natural rock.

Designed for baiting both rats and mice, it blends in with the outdoor environment.



Product Code: RDTS1037

Multi-Catch Mouse

MULTI-CATCH BAIT STATION

Heavy duty, rugged metal trap for mice. Multi-catch traps should be inspected every 24-hours, and this model comes with a clear lid to allow for quick and easy checking.

- ◆ Dimensions: 270 x 170 x 50 mm

Product Code: RDTS1078 - Multi Catch Steel Metal Mouse Trap

Product Code: RDTS1083 - Multi Catch Plastic Mouse Trap



VECTOTHOR Flying Insect Control Light Traps



STOP PRESS!

Ensystem is actively developing **FLY IDENTIFICATION SOFTWARE** to complement our Fly Counting Software. This means Real Time information on numbers of insects caught and the species caught!
THAT'S SMART SCIENCE.

ASTRON™ ECO-LED LAMPS

ASTRON^{UV} LED II 9 Watt Lamp

Lighting up the future for Insect Control.



Key Features

VECTOTHOR DYNAMIC OSCILLATION PULSE TECHNOLOGY™

This unique technology provides class-leading fly trapping performance.

A highly proprietary logarithm has been developed to cause fluctuations in the light beam that are imperceptible by people, but that greatly influence and improve fly catch rates.

Early in the development process of producing high-performance LED lamps, it became clear that since, unlike fluorescent lamps, LED lights produce a constant flow of light; fly landing behaviour was negatively impacted by LED lights and, as a direct consequence, kill rates were reduced. This led to the development of our VECTOTHOR Dynamic Oscillation Pulse Technology™ to provide class leading fly killing performance.

Lifespan of 3 years (25,000 hrs) which means significantly less landfill when compared to fluorescent lamps that are replaced annually.

- Environmentally friendly: no restricted chemicals used in the lamps.
- RoHS / REACH / ISO and CB compliant

Technical Specifications

ASTRON UV LED II 9 WATT Performance

LED technology has been developed by the lighting industry over the past two decades. This innovative technology offers 50% energy savings over traditional lighting technologies, such as the well-known fluorescent lamps.

Working at the cutting-edge of LED UV-A lamp technology Ensystem is pleased to bring the next generation of class-leading LED UV-A lamps to the market - the ASTRON UV LED II 9 Watt lamp.

A special diffusor on the inside of the lamp ensures that the UV-A light is emitted homogeneously, which provides for better insect attraction. It also uses class A LEDs which comply to the highest standards. This ensures trouble free usage.

The ASTRON UV LED II 9 Watt lamp is executed in a full shatterproof design (no glass is used). It is designed for 100% of the light to be projected to the front of the unit making it twice as effective as other lamps on the market.

ENVIRONMENTALLY RESPONSIBLE:
Use 50% less power than traditional lamps, with big savings in energy bills.

	TYPICAL ENERGY CONSUMPTION PER HOUR (W)	ENERGY CONSUMPTION PER YEAR (kW) (8760 HRS)	ENERGY SAVING OF THE ASTRON ^{UV} LED II 9 WATT LAMP (kW)
1. Traditional fluorescent 15 Watt lamp and high frequency ballast	16.5	145	66
2. Traditional 15 Watt lamp and magnetic ballast	20	175	96
3. ASTRON ^{UV} LED II 9 Watt lamp (with internal driver)	9	79	

VECTOTHOR™ LED OMNIVEO™ With Smart Control

A new generation of insect control units for real time monitoring and elimination of flying insects.

Key Features

Each model is available as either IP20 (dust-proof) or IP65 (hose-proof). They are easy to service, stylish and effective.

SMART CONTROL

The optional OMNIVEO SMART CONTROL™ works through new innovations. By means of a high-speed camera. The camera records insects which are lured into the trap onto a glueboard by an ultraviolet light source. The data is immediately forwarded to the user.

This is thanks to worldwide connectivity over the LTE-M network and the IoT platform Cockpit. **Real-time monitoring of insects is a huge leap forward.**

GLUEBOARDS

Insects are caught on a glue layer, which preserves them over time. The caught insects can be counted, and insect species can be analysed, which offers clear advantages in an IPM approach.

ASTRON II LED LAMPS

LED technology offers clear advantages in terms of efficiency (lower energy consumption) and performance.



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New Generation Range with
REAL TIME MONITORING

Product Details

OMNIVEO 2 lamps LED IP20	VECL3001	2x ASTRON 9 W LED SP
OMNIVEO 2 lamps LED IP65	VECL3003	2x ASTRON 9 W LED SP
OMNIVEO 3 lamps LED IP20	VECL3005	3x ASTRON 9 W LED SP
OMNIVEO 3 lamps LED IP65	VECL3007	3x ASTRON 9 W LED SP

VECTOTHOR™ OSPREY LED

Residential & Professional Use

Product Details

Area coverage:	100+ m ²
Light source:	2 x 9 W ASTRON II LED lamps
Catch type:	Temperature optimised glueboard with silicone paper cover
Weight:	approx. 4 kg with light tubes fitted
Protection rating:	IP 20
Dimensions (LxWxD):	470 x 325 x 100 mm
Mounting position:	Wall mounted
Guarantee:	Two (2) years



Key Features

With its discreet design, the VECTOTHOR OSPREY LED has a 30% improved performance over conventional units due to its unique attraction grid, which reflects the light onto the landing spot thereby stimulating the landing behaviour of flying insects. For use in kitchens, hotels, food production, offices, cafés, restaurants and shops.

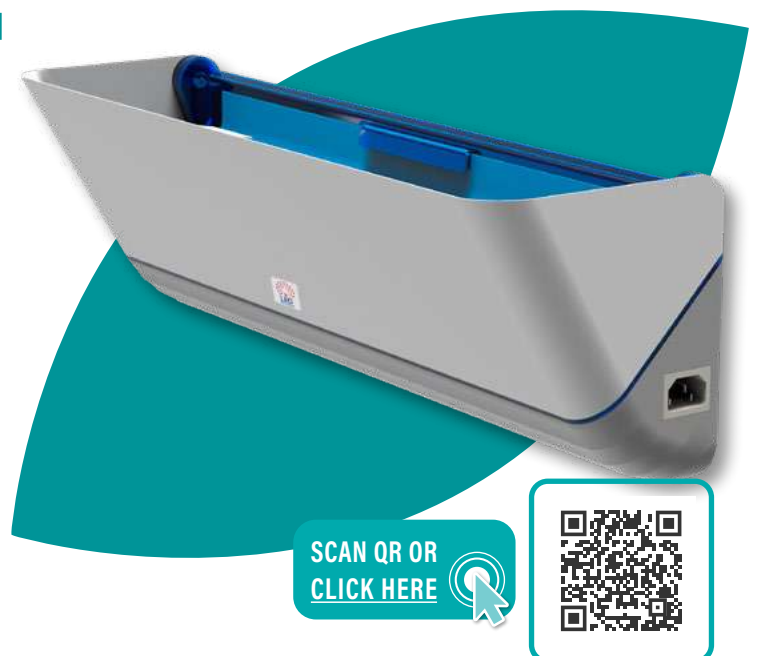
Product Code: VECLE1001 and VECLE1001B

VECTOTHOR™ FALCON LED

Residential & Professional Use

Product Details

Area coverage:	50+ m ²
Light source:	1 x 9 W ASTRON II LED lamps
Catch type:	Temperature optimised glueboard with silicone paper cover
Weight:	approx. 2 kg with light tube fitted
Protection rating:	IP 20
Dimensions (LxWxD):	494 x 147 x 165 mm
Mounting position:	Wall mounted
Guarantee:	Two (2) years



Key Features

The VECTOTHOR FALCON LED's unique design directs UV-A light upwards, providing discreet protection in areas where your patrons are present. For use in offices, cafés, restaurants and shops.

Product Code: VECLE1000

VECTOTHOR™ PEREGRINE³ LED

Industrial & Large Commercial Use

Product Details

Area coverage:	150+ m ²
Light source:	3 x 9 W ASTRON II LED lamps
Catch type:	Temperature optimised glueboard with silicone paper cover
Weight:	approx. 6 kg with light tubes fitted
Protection rating:	IP 20
Dimensions (LxWxD):	520 x 150 x 365 mm
Mounting position:	Wall mounted
Guarantee:	Two (2) years



Key Features

With its unique design and powerful insect trapping features, the VECTOTHOR PEREGRINE³ LED is designed for the most severe flying insect problems. For use in kitchens, hotels, food production, offices, cafés, restaurants and shops.

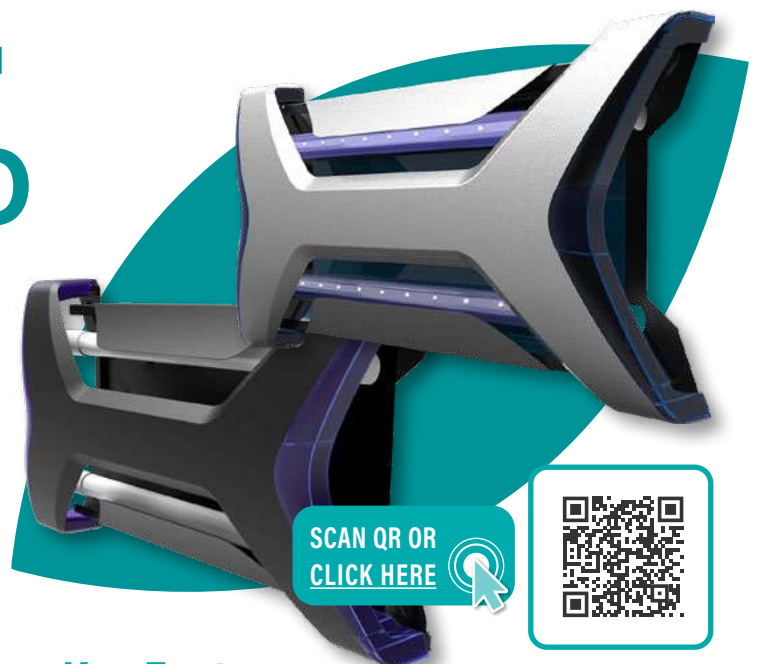
Product code: VECLE1002

VECTOTHOR™ BUZZARD LED

Residential & Professional Use

Product Details

Area coverage:	100+ m ²
Light source:	2 x 9 W ASTRON II LED lamps
Catch type:	Temperature optimised glueboard with silicone paper cover
Weight:	Approx. 4 kg with light tubes fitted
Protection rating:	IP 20
Dimensions (LxWxD):	520 x 150 x 365 mm
Mounting position:	Wall mounted
Guarantee:	Two (2) years



Key Features

Easy to service, stylish and effective, the VECTOTHOR BUZZARD LED offers it all. Its discreet design enables fast and simple maintenance. Designed for the most severe flying insect problems. For use in kitchens, hotels, food production, offices, cafés, restaurants and shops.

Product Code : VECLE1004 (Silver) and VECLE1008 (Black)

HARRIER NOVA™ LED

Insect Control Unit

Ceiling mounted for use in supermarkets, warehouses & stores.

Product Details

Area coverage:	200+ m ²
Light source:	4 x 9 Watt ASTRON II LED lamps
Catch type:	By means of long life glueboard
Lamp life time:	25,000 hrs (*)
Protection rating:	IP20 / IP65
Dimensions (LxWxD):	500 x 360 x 170 mm
Mounting position:	Ceiling mounted



Coming Soon!

Key Features

With its discreet design, the HARRIER NOVA™ LED is recommended for ceiling mounting in supermarkets, warehouses, stores and industrial environments. Easy to service, stylish and effective; the HARRIER NOVA™ LED offers it all.

The HARRIER NOVA has 2 LED lamps on each side to allow it to attract flies from both sides when ceiling mounted.

VECTOTHOR HAWK LED

Insect Light Trap

Ceiling mounted system

Product Details

Area coverage:	90 m ²
Light source:	2 x 9 Watt ASTRON UV-A LED II lamp
Catch type:	By means of long life glueboard
Lamp life time:	25,000 hrs (*)
Protection rating:	IP 20 (drip proof)
Dimensions (LxWxD):	500 x 90 x 370 mm
Mounting position:	Ceiling or wall mounted



Coming Soon!

Key Features

With its innovative design, the VECTOTHOR HAWK is recommended for use in dry environments like supermarkets, warehouses and stores. The VECTOTHOR HAWK is constructed in such a way that the UV-A light is directed upwards

TRADITIONAL FLUORESCENT LIGHT TRAPS

Fly Control Range



VECTOTHOR delivers European design excellence in combination with university proven performance benefits to create the most effective flying insect management system on the market.

Leading edge solutions that guarantee the highest catch rates make VECTOTHOR Flying Insect Killer Light Traps the premium choice for HACCP food management programs, the hospitality industry, hospitals, indeed for anyone who wants peak performance in their flying insect management program.

ASTRON UV-A Lamps



With the UV-A light output optimised to perfectly match the house fly's vision spectrum, ASTRON lamps guarantee you catch more flies more quickly.

- ◆ CE-Approved.
- ◆ acc. IEC 60.335-259 International Standard for Insect Exterminators through TUV-Rheinland.
- ◆ Compliant with RoHS Standards (Removal of Hazardous Substances).
- ◆ Approved for use in HACCP (Hazard Analysis at Critical Control Points) Approved Food facilities.
- ◆ Shatter-proof coating from DuPont.

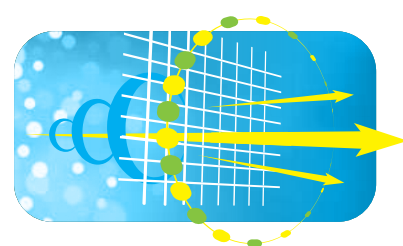
Natural UV-A SUNLIGHT Technology™

VECTOTHOR uses an electronic ballast at 10,000 cycles per second so the lamp is indistinguishable from natural sunlight, thus providing greater attraction. Other lamps feature a mechanical starter and ballast that operates at 50 cycles per second. This means flies see the UV-A light as a rapidly flickering light which is unlike natural sunlight.



Natural Contrast Grid™

This provides 30% improved performance over conventional units since it reflects light onto the landing spot thereby stimulating the natural landing behaviour of flying insects.

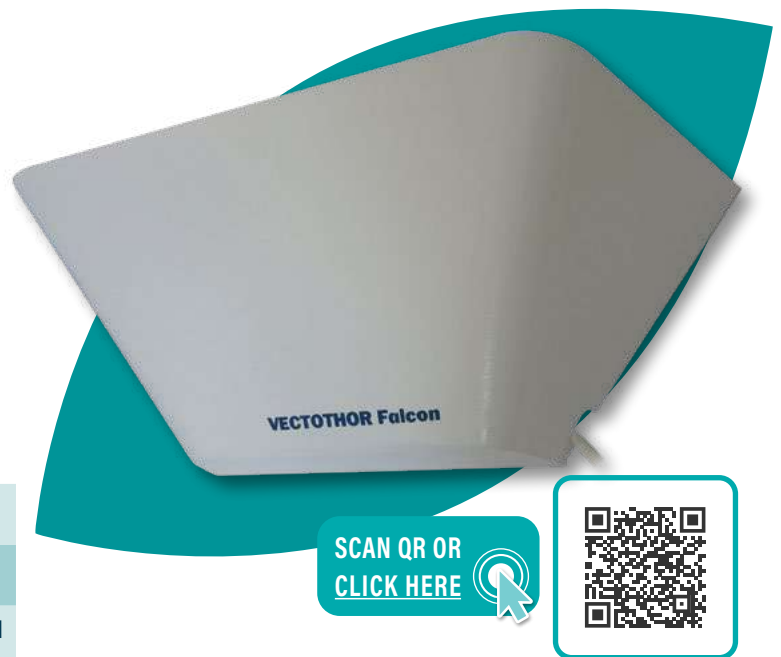


FALCON

Recommended for use in homes, offices, shops and restaurants.

Product Details

Area coverage:	35+ m ²
Light source:	1 x 18 W ASTRON PL UV-A lamp
Catch type:	Temperature Optimised glueboard
Lamp life time:	9,000 hrs
Protection rating:	IP 20 (dust proof)
Dimensions (LxWxD):	440 x 190 x 200 mm
Mounting position:	Wall mounted



Key Features

The FALCON is constructed in such a way that the UV-A light is directed upwards. The FALCON has an all metal housing and uses a powerful UV-A lamp to lure insects into its trap.

Product code: (VECL1015)

OSPREY

Recommended for use in shops and restaurants and dry industrial environments.

Product Details

Area coverage:	50 - 80 m ²
Light source:	2 x 15 W shatterproof ASTRON UV-A lamps
Catch type:	By means of Temperature Optimised glueboard
Lamp life time:	17,500 hrs
Protection rating:	IP 20 (dust proof)
Dimensions (LxWxD):	470 x 325 x 100 mm
Mounting position:	Wall mounted



Key Features

The unit can be wall mounted; The separate mounting strip offers easy maintenance & service. The OSPREY has a housing made of durable ABS plastic and white powder coated steel.

Product code: (VECL1016) & (VECL1016B)

BUZZARD

Recommended for use in shops and restaurants and dry industrial environments.

Product Details

Area coverage:	90+ m ²
Light source:	2 x 15 W ASTRON UV-A lamps
Catch type:	Temperature Optimised glueboard
Lamp life time:	9,000 hrs
Protection rating:	IP 20 (dust proof)
Dimensions (LxWxD):	538 x 103 x 311 mm
Mounting position:	Wall mounted



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Key Features

Wall mounting insect control unit suitable for trapping flying insects by means of 2 powerful UV-A lamps.

Product code: (VECL2019)

PEREGRINE³

Recommended for the toughest conditions and most severe fly problems in kitchens, food production areas, and more.

Product Details

Area coverage:	120 m ²
Light source:	3 x 15 W shatterproof ASTRON UV-A lamps
Catch type:	Temperature optimised glueboard
Lamp life time:	17,500 hrs
Protection rating:	IP 20 (dust-proof)
Dimensions (LxWxD):	470 x 325 x 100 mm
Mounting position:	Ceiling and wall mounted



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Key Features

With its totally unique, world first design and fly trapping features, the PEREGRINE³ is easy to service, stylish and effective, featuring European design build standards and a diffuse light output.

Product code: (VECL2017)

PEREGRINE

Recommended for the toughest conditions and most severe fly problems in industrial and large commercial units in kitchens, food production areas, and more.

Key Features

With its totally unique, world first design and flying insect trapping features, the VECTOTHOR PEREGRINE is designed for the and most severe flying insect problems in kitchens, food production areas, and more.

The unique louvers in the VECTOTHOR PEREGRINE coupled with our High Frequency Electronic Light Pulse, allow us to create a **temperature trap targeted to 27° - 28° C (81° - 82° F)** - the ideal temperature for most flying insects.

This triggers insects seeking infrared light to enter the VECTOTHOR PEREGRINE too. Moreover the louvers trap the insects that

have landed on the unit, which means faster catch rates on the glueboards and fewer insects exiting the unit.

Product code: VECL1017



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Product Details

Area coverage:	120+ m2 effective coverage
Light source:	3 x ASTRON 15 W RoHS certified shatterproof UV-A lamps
Catch type:	Temperature optimised glueboard with silicone paper cover
Lamp life time:	17,500 hrs
Protection rating:	IP 20 (dust-proof)
Dimensions (LxWxD):	520 x 365 x 150 mm
Mounting position:	Wall mounted

HARRIER NOVA™ FLUORESCENT

HARRIER NOVA™: IP 20

HARRIER NOVA™ WP: IP65

The powerful 160+ m² ceiling mounted insect control units.

Key Features

With its discreet design, the HARRIER NOVA™ is recommended for use in supermarkets, warehouses, stores and industrial environments.

The unit can be ceiling mounted with 2 metal chains and offers easy maintenance and service. Easy to service, stylish and effective; the HARRIER NOVA™ offers it all.

- Effective and proven design
- The ABS plastic housing offers a light but strong body, easy to handle.
- Glueboard placed discreetly behind the lamp, which offers optimised performance.
- 4 x ASTRON 15 Watt SP UV lamps
- Effective coverage of areas up to 160+ m².
- Easy to service with direct access to lamps and glueboards.
- Meets ISO 9001 / RoHS & the CE standard. Unit is HACCP compliant.
- Durable quality components, industrial design.
- The HARRIER NOVA™ is executed with a high frequency ballast. The electronic ballast also offers a high frequency light pulse which means the insect cannot distinguish the lamp from natural UV-A light so providing greater attraction.
- 2-years full guarantee on the mechanical aspects.



**Coming
Soon!**

Product Details

Area coverage:	160+ m ² effective coverage
Light source:	4 x 15 Watt ASTRON shatterproof UV-A lamps T8
Catch type:	By means of temperature optimised glueboard
Lamp life time:	9,000 hrs
Protection rating:	HARRIER NOVA™: IP 20 / HARRIER NOVA™ WP: IP65
Dimensions (LxWxD):	500 x 360 x 170 mm
Mounting position:	Ceiling mounted

VECTOTHOR BLUETOOTH UV-TESTER

The latest UV innovation works with both
LED & Fluorescent Lamps.

The new VECTOTHOR BLUETOOTH UV-A tester has been developed to check the status of UV-A lamps out in the field. It can be used by service technicians, sales persons, and also by clients and auditors. It works for LED lamps and fluorescent lamps.

This is a great tool for showing potential clients just how much more powerful the VECTOTHOR ASTRON lamps are when compared to other lamps in the market.



DUAL POWERLIGHT

Rechargeable Dual Flashlight - UV-A / White Light

The most powerful flashlight available for the pest control industry offering both white light and black light.

Key Features

The powerful white light is ideal for most of your professional inspection needs, whilst the second black light is perfect for scorpion, rodent, bed bug and hygiene inspections, to reveal urine stains, and the presence of insect eggs and more that glow under the UV-A rays of the black light.

This torch is as rugged as they come, protected against water immersion to 1 m, drops from 1.5 m, scratch-proof, temperature-resistant to 100 degrees Celsius and manufactured to ISO9001 - this is a torch for professionals.

Product Code: VECD1000

CONTENTS:

- DUAL POWERLIGHT
- Li-ion rechargeable battery
- Multi-charger for mains or in-car charging
- Belt holster



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Specification

Light Source	5 W white Cree LED XPG2 + 5 W UV-A LED
Battery	18650 Li-ion rechargeable battery
Specs	Rated for 20,000 hours (5 years)
Brightness	300 lumens
Working time	5 - 6 hours
Night Reflector	Green Strip lights up in the dark
Weight	184 g
Colour	Black
IP Rating	IPX8 - Protected against water submersion
Body	Aluminum T6061, Premium Type III hard-anodized abrasive finish; scratch-proof.
Electrical supply charger	110-240 V / 50-60 Hz
Dimensions	150 x 35 mm (L x D)

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