



# DELTATHOR PLUS

## LOOKING FOR SUPER FAST KNOCKDOWN?

### The Resistance Fighter

#### BENEFITS

Contains synergised deltamethrin.	Piperonyl butoxide has been the subject of a great deal of scientific study as an integral component in the management and prevention of insecticidal resistance. It increases the potency (killing power) of pyrethroids and due to its synergistic mode of action has been shown to prevent the development of pyrethroid resistance. This makes Deltathor Plus a vital tool in high control pest management accounts.
Activated with tetramethrin-R 25:75.	This is the most powerful and active of all the tetramethrin chemical isomers. It ensures rapid knockdown of target insect pests which makes for a more effective control program and minimises the spread of cockroaches caused by pyrethroid flushing.
Micro-fine suspension formulation.	This ensures Deltathor Plus stays in suspension in your tank longer than any other competitive product to give you optimal results. More particularly it ensures better penetration of the chemical through the insect cuticle to deliver even faster results.
High quality water-based suspension concentrate.	To give you improved residual performance and no visible residues.
Withstands degradation by sunlight, heat & once dry is unaffected by rain.	To give you a better result and fewer call-backs.
No hydrocarbon solvents.	This means no worries about staining, no odour and no damage to your equipment, seals & pumps.
Approved for use indoors and outdoors, in food handling premises, hospitals, etc.	To give you maximum flexibility in your use of Deltathor Plus.
High performance - Guaranteed.	So you can feel totally confident that you have a global, research based company standing beside you should any challenges arise.
Supplied directly to you by a Research & Development based International company.	This means you are dealing directly with the people who know Deltathor Plus best, so you can be guaranteed to receive the highest standard of support and care.

#### YOUR ENSYSTEX GUARANTEE

If Deltathor Plus fails to meet or exceed your expectations, return the unused portion of the container, at our expense, and we will issue you with a full refund.

If you have a challenging situation, Ensyntex guarantees to investigate the matter with you and, where required, send one of our trained technical support specialists to visit the site with you.

Deltathor Plus is manufactured to the highest standards of quality. All ingredients and batches are tested to guarantee you a reliable, superior quality product.

Deltathor Plus is guaranteed to meet or exceed the quality and performance specifications of the original (pioneer) registered product so you can be certain of the best possible performance in the field.

Deltathor Plus always uses the highest quality materials to ensure optimal efficacy and safety.

## DELTATHOR PLUS PRODUCT DETAILS

Active Ingredient:	10g/L deltamethrin; 10g/L tetramethrin-R 25:75; 80g/L piperonyl butoxide.
Insecticide Group:	Synergised Pyrethroids - modelled on natural pyrethrins, from the pyrethrum daisy.
Formulation Type:	Suspension Concentrate.
Pests Controlled:	Cockroaches, spiders, ants, fleas, silverfish, bed bugs, bird mites, carpet beetles, clothes moths, five-spined bark beetle, furniture beetles, auger beetles, powderpost beetles, flies and mosquitos.

## SAFETY

Since Deltathor Plus is a pyrethroid insecticide it displays relatively low levels of mammalian and avian (bird) toxicity. As with all pyrethroids it is toxic to fish and must be kept out of waterways, dams, streams, etc.

## PERFORMANCE

Deltathor Plus is an aqueous (water-based) micro-fine suspension concentrate. With suspension concentrates particle size is critically important. If the particles are too large the product will leave unsightly residues, if too small they will sink into porous surfaces. For this reason Ensystem uses a custom-built, highly refined double milling process to ensure a micro-fine particle size. These micro-fine particles are then more easily picked up by the insects, yet they will remain on porous surfaces to give you improved residual performance on even the most difficult surfaces such as concrete. The finer particles will also penetrate the insect cuticle more rapidly to deliver more impressive results for you.

Ensystem then uses a sophisticated suspension system to suspend the particles in the water-based formulation and protect it from degradation and microbial / fungal attack. This ensures that the deltamethrin in Deltathor Plus remains suspended in your spray tank so whenever you spray you are placing the optimal amount of deltamethrin onto your treated surface. (Of course you should always agitate your spray mix prior to commencing a treatment program.) Since Deltathor Plus is water-based and contains only the purest ingredients, you can be sure it will not cause staining, unless water alone would cause an issue.

And of course Deltathor Plus comes with a written Quality Performance and Support Guarantee from Ensystem, your contractual agreement from Ensystem that we will be there to support you - ALWAYS!

## PERFORMANCE

Deltathor Plus contains deltamethrin which remains arguably the most active of all the residual pyrethroids. This is because the deltamethrin in Deltathor Plus is a pure, single isomer blend (Simplistically, an isomer is how the chemical is shaped).

Different chemical isomers perform differently, and the blend in Deltathor Plus is the most pure and insecticidally active giving you premium performance. Deltamethrin has been registered in Australia for use by Pest Management Professionals since 1984, and personnel at Ensystem have been associated with the development and support of deltamethrin since before then, so you can be sure of quality advice and care.

## SUPPORT AVAILABLE FOR YOU

Ensysyex has technical support personnel located in all States of Australia.

MSDS produced to latest international standards.

AQIS Approval.

## SUMMARY OF DELTATHOR PLUS USAGE RATES

SITUATION	PESTS	RATE	CRITICAL COMMENTS
Houses, flats, factories, shops, warehouses, restaurants, hospitals, hotels, kitchens.	Cockroaches, fleas, spiders, ants and silverfish	Initial treatments 150mL Maintenance treatments 75mL	On non-porous surfaces dilute with 5L of water, on porous surfaces up to 10L of water may be used. Apply per 100m <sup>2</sup> of surface, not exceeding the point of run-off.
	Bird mites	75mL	Apply to skirting boards, floors and carpets, cupboards, behind sinks, stoves and pipes. Pay particular attention to cracks and crevices. Also treat exposed areas where insects are seen, and known hiding places.
	Carpet beetles & clothes moths	Initial treatments 150mL	Apply to infested area of carpet, particularly around the edges and under furniture.
	Bed bugs	Maintenance treatments 75mL	Treat cracks and crevices in bed frames and the adjacent walls.
	Houseflies, mosquitoes	75mL	Apply to all exposed surfaces where flies or mosquitoes may rest.
Freshly felled pine logs prior to debarking	Fivespined bark beetle ( <i>Ips grandicollis</i> )	100mL	Dilute with 10L of water and apply through knapsack or power sprayer at the rate of 10L/100m <sup>2</sup> of surface area.  NB. For best results apply promptly after felling or sawing operations.
Freshly felled logs, poles and posts. Newly sawn timber.	Furniture Beetles, F. Anobiidae, Auger beetles, F. Bostrichidae; Powderpost beetles, F. Lyctinae.		

Always refer to the registered product label for complete and up to date usage details.

## ABOUT ENSYSTEX AUSTRALASIA

Ensystem researches, develops, formulates, manufactures and supplies premium quality, environmentally responsible, urban pest management solutions for use by professional pest managers; and has achieved a high international reputation for these products.

Unlike other companies where urban pest control is a spin-off from their more lucrative agricultural business; Ensystem is focused on the urban pest management market with its uniquely different profile. Ensystem's vision is to be the 'first choice for environmentally responsible, effective, long-term pest management solutions'.

Ensystem is a privately owned company, dedicated to the supply of superior products to professional pest managers. As a research-based international company Ensystem has active ingredient synthesis and product formulation facilities in 14 different locations; two in the USA, two in Australia, one in Thailand, seven in China, one in Germany, and one in Russia. Research facilities are located in North Carolina, USA; and in Victoria and NSW in Australia.

Further evidence of the Ensystem commitment is displayed through the team of dedicated professionals employed in Australia. Ensystem now has the largest technical sales support team of any research-based company in Australia. We are there to assist you should problems ever arise. Ensystem has eleven specialists in the field, with people located right around Australia, all qualified pest management professionals. Plus you 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 environment.

**Our dedicated, professional team are here to assist you in every aspect of your business.**



Ensystem Australasia Pty Ltd

ABN: 53 102 221 965

Unit 3, Junction Estate, 4 - 6 Junction Street

Auburn, NSW, 2144

Phone: 13 35 36

Fax: 02 9647 2189

Web: [www.ensystem.com.au](http://www.ensystem.com.au)

Email: [info@ensystem.com.au](mailto:info@ensystem.com.au)