

VectorCide Anti Mosquito Paint

Distributed by Lampadina Group

The Problem	The Solution
<p>The Mosquito is the biggest killer of people on earth. Diseases transmitted by mosquitoes include malaria, dengue, Zika and many more. It is estimated that Mosquito borne diseases have killed half of the humans that have ever lived, meaning roughly 52 billion people have died due to the tiny insect. The current method for protecting people is to spray an insecticide, this is called Indoor residual spraying (IRS). One of the most commonly used insecticides is Lambda cyhalothrin. VectorCide Protect Coating uses the same grade Lambda cyhalothrin but in a very different formulation and using a unique delivery mechanism, with less chemical, sealed inside a coating.</p>	<p>VectorCide is a paint-like product with easy application. It dries and forms a thin, elasticated polymer coating that uses micro-encapsulated active ingredients to ensure that the mosquito will land and rest on the treated surface and penetrate the mosquito's exoskeleton. The WHO approved active ingredient is then delivered directly into the Mosquito body. Within seconds the mosquito becomes unable to target its prey. It will either remain on the surface or fly away and subsequently die.</p> <p>VectorCide is totally safe and non-harmful to humans and animal species.</p> <p>VectorCide has undergone years of development and rigorous testing in the World's most respected laboratories and is proven to overcome resistant strains of mosquitoes.</p>

Application
<p>Apply as you would an emulsion paint with approximate coverage of 30-35 square metres/L when applied using a paint roller, or 20-25 square metres/L when applied using a paintbrush. Once dry VectorCide will start to protect and will give full protection after 7-10 days. VectorCide will continue to provide protection from mosquitoes for over 2 years.</p>

Accreditations




Available in 1L, 5L and 20L

Test Results

Testing Body	Result
London School of Hygiene and Tropical Medicine	LSHTM have tested the product at 6, 12 and 15 months after first being applied on a variety of surfaces. The ongoing performance continues to remain in excess of 99% kill rate, even after 15 months.
Department of Entomology, Faculty of Tropical Medicine, Mahidol University	Testing was performed on the 3 most common genera of Mosquito after application of Vectorcide on cement, concrete, ceramic and wood surfaces. Efficacy was almost 100% for each strain on all surfaces except CULEX which showed 89% for wood.
The Butterfly Tree Charity, Zambia Field Trials	Field tests clearly show tangible reductions in vector-transmitted diseases over time. The results indicate Vectorcide products considerably reduced the number of known Malaria cases by 83.0% in an initial treated region on a year-on-year time horizon. Since then, many Vectorcide treated areas are now experiencing no new cases of Malaria.

At 24 Hours • 6 Months • 15 Months

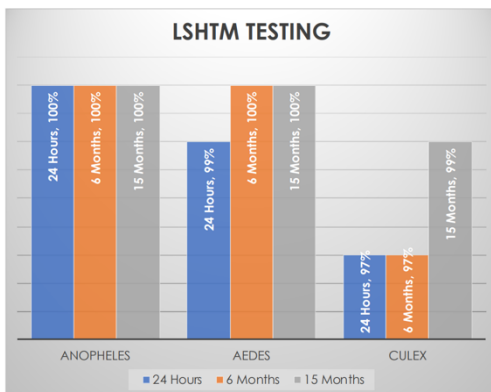


Fig.1 Test results from London School of Hygiene and Tropical Medicine testing, UK

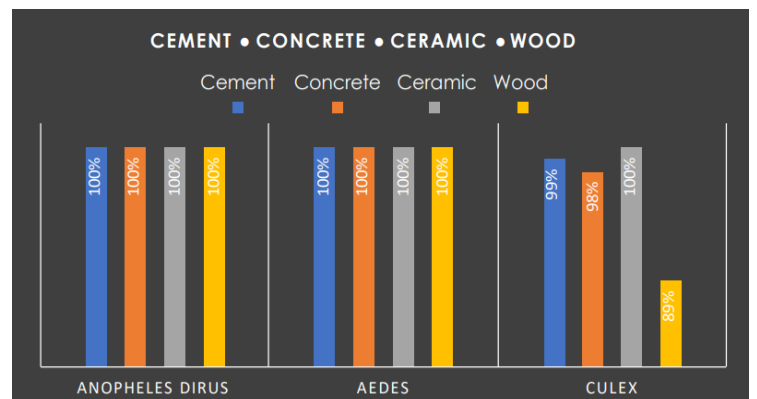


Fig. 2 Test results from Mahidol University, Thailand

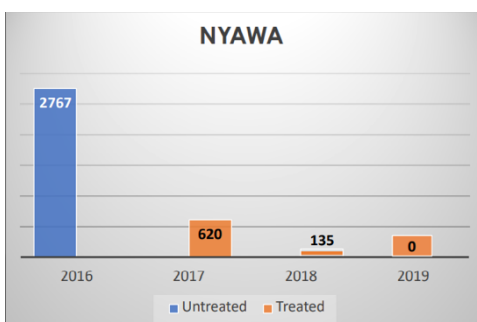


Fig. 3 Reduction in Malaria Cases in Nyawa Chiefdom following treatment with VectorCide

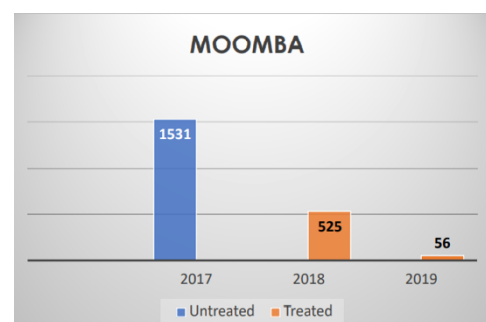


Fig. 4 Reduction in Malaria Cases in Moomba Chiefdom following treatment with VectorCide

Competitor Comparison

	Vectorcide	Competitor AM	Competitor C	Competitor M
Finish	White polymeric emulsion but we can produce colour on bulk orders	White	Clear Varnish	White/Std Colours
Active Ingredient(s)	Lambda Cyhalothrin	Deltamethrin	Permethrin	Bifenthrin
Active ingredient(s) approved by WHOPEs for IRS	YES	YES	YES	YES
Mode of Action safe to mammals	YES	YES	YES	NO
Active Ingredients approved for retail sale in the USA and the UK	YES	NO	NO	NO
Shelf life (years)	3	2	2	2
Coverage per litre	30-35	10-12	10-12	10-12
Coats Required	1	1-2 plus a primer	2	2
Mode of Action safe to mammals	VC delivers insecticide and synergists into the mosquito - by-passing the protective enzymes	Relies on pickup through the legs - enzymes will block the permethrin to a greater degree	Relies on pickup through the legs - enzymes will block the permethrin to a greater degree	Relies on pickup through the legs - enzymes will block the permethrin to a greater degree
Effect on mosquito	Kills mosquitoes	Kills mosquitoes	REPELLENT yet contains insecticide	May kill mosquitoes
Active notes	Lambda Cyhalothrin is WHO Class III and effective at low doses	Deltamethrin is toxicity III but required a high dose for Knock-down	Permethrin is toxicity II but required a high dose for Knock-down	Bifenthrin is also toxicity II but required a high dose for KND (Knock-down)
Technology	microencapsulation of active and PBO's	NOT encapsulated has continuous release?	Not encapsulated but continuous release?	Encapsulated but continuous release?
Length of protection	1 year (VC has been tested to 2-years)	3 years claimed	2 years claimed	2 years claimed
Environmentally Friendly Version Available	Yes	No	No	No

Ordering Information

Website	Visit www.lampadina.co.uk and buy VectorCide in 1L, 5L or 20L containers. Price breaks available at 5+ units.
Email	Email hello@lampadina.co.uk with your request for a specific quotation. Include the quantity you require and shipping address for accurate pricing.
Phone	Call +44 151 622 0042 to discuss your requirements