Professional Eradication System against Termites Program

Once termite infestation is detected, fast remedial action is warrant.

Evaluation was undertaken to ascertain the potential invasion and eventual damages to the building by subterranean termites to: -

Cadangan Pewmbinaan Balai Bomba dan Kuarters Bomba Putatan

Objective

The aim of the proposed "Professional Eradication System against Termites" as an anti-termite measure is to provide solution to the existing destructive forces of this pest as well as prevention of future infestation.

This is going to be achieved by the creation of an anti-termite shield underneath the buildings as a long-term solution measure giving Peace of Mind

Scope of Work

Proposed Professional Eradication System Vs. Termite

Stage : Just before lean concreting of the ground beam

A 4cm border of the exposed soil around ground beams, columns or service Conduit s drench with termiticide applied with a power spray at a rte of 5 litres per Meter run

Away from ground beams, columns, or service conduit on exposed flat stretches Of the soil the termiticide is applied at the rate of 5 litres per meter square using power sprayer.

Stage II : Just before concreting of the apron area

On exposed , flat stretches of soil, the termiticides is applied at a rate of 5 litres per meter square using a power sprayer. This application of termiticide is to be carried out prior to the laying of any polythene sheet

Termiticide

The anti-termite chemicals used in the treatment against subterranean termites are called termiticides. All termiticides use by PEST are registered with, and approved by the Pesticide Board of Malaysia.

Our use of the approved termiticides follow the general label recommendations of its manufacturers. As part of the newer generation of termiticides, our choice is relatively environmentally friendly.

The termiticide we use will be IMILDACLORPID 18.7% W/W dilution of 1 litres to 400 litres of water

Contractor's Duties

We will liase with the building contractor in the course of our treatment. However, we would also appreciate your assistance in bringing to the notice of the contractor the following:-

The contractor should endeavor to :

1. Maintain reasonable site safety by ensuring that the area to be treated does not posse potential safety hazard to our technicians

2. Maintain reasonable site hygiene by ensuring the disposal of wood based construction debris elsewhere, away from the build up area to reduce the number of potential food sources for subterranean termite

3. Give our local office 24 hours notice in advance

Warranty

Our **Professional Eradication System against Termites** comes with a Warranty of 5 years measured from the date of completion project (Main contractor completion of project certificate- CPC). To monitor the warranty, PEST will conduct five inspections within the Warranty period on a schedule mutually agreed between the client and our office.

Details, including the conditions under which the Warranty is invalidated, are enclosed in the appendix.

Should re-infestation occur during the Warranty period, PEST will initiate the necessary re-treatment of the affected area at no extra charge.

Areas to be treated

Balai Bomba 829M2, Quarters class E & F 477M2, Menara Latihan 65M2 Rumah Pam/Store Logistic 184M2 and Rumah Sampah 33M2

1,588M2

Professional Eradication System against Termite- Pre Construction anti termite treatment

PRE-CONSTRUCTION SOIL TREATMENT is the effective treatment to protect the building from termite attacks. From the research that have been done, the chemical prevention applied to the soil during pre-construction will be able to protect the buildings for long term period. Pre-Construction Anti Termite Soil Treatment is to be carried out when the site is readily available for treatment with minimum disturbance. This treatment is to be carried out at the following stages :

Vertical Application – Termiticide is to be applied using suitable equipment into the excavated trenches of concrete stamps, columns and footings.

Horizontal Application – Termiticide is to be applied at the hardcore area before laying of waterfroofing membrane or before laying of concrete slab.

Perimeter Application – Termiticide mixtures are to be applied at the hardcore areas before laying of apron floor slabs, inclusive of at least 1m from the edge of the wall footing.

Site Preparation

a. Building owners, developers and/or contractors are to reduce or eliminate wood-soil contact by excavating/removing tree roots and stumps, construction debris/leftover wood materials from the site.
b. Treatment is not to be made when the soil is excessively wet or immediately after heavy rain to avoid run-off of termiticide from the application site. Runoffs towards sources of water supply are to be avoided.
c. The building contractor has to notify us forty-eight (48) hours in advance that he anticipates concrete casting into the areas to be treated.
d. Term is not to be applied in high water-table area, i.e. when the ground water-table is 0.5m or less below the level of soil to be treated.
e. All excavation/backfill work is to be completed, cable and piping position fixed and laid before pouring concrete.
f. Soil backfill is not to contain any wood material.
g. Treatment is not to be carried out after 6:00 p.m.

Chemicals

Only termiticides that are approved by the **Pesticides Board of Malaysia** are to be used for termite management/control for the protection of houses, structures and properties. Among them are :

a. Imidachloprid 18.3% w/w. Recommended formulation rate is 1 Litre to 400 litres of water

Warranty

Upon completion of the entire treatment, our company will furnish a warranty certificate providing guarantee the effectiveness of the treatment against subterranean termite attacks for a period of FIVE (5) years, measure from the date of completion of project (main contractor completion of project- CPC) Any evidence of subterranean termite infestation during the five-year guarantee period, our company will retreat the said premise(s) at no cost to the owner(s). We will carry out 5 inspection within the warranty period at the schedule matured agree by both party.







We wish to thanks you for giving us the opportunity to introduce our Professional Eradication System against Termite - Pre Construction Anti Termite treatment for your project.

METHOD OF STATEMENT:

1 .The soil treatment anti termite shall be carried in two stages as below

1 .Stage One - Just before concreting of ground beam

a . A 4cm border of the exposed soil around the ground beams , columns or service conduit drench with termiticide applied using power spray at the rate of 5 litres per meter run

Away from ground beam, columns or service conduit on exposed that stretches of the soil the termiticide is applied at a rate of 5 litres per meter square using power spray.

2. Stage 2 - Just before concreting of apron area

a . On exposed flat stretches of the soil the termiticide is applied at the rate of 5 lires Per meter square using a power spray.

This application of termiticide is to be carried out prior to the laying of any polythene sheet

3 . Chemical will be mixed according to manufacturing instruction with Malaysian Control Association approved standard for treatment.

4. Termiticide mixture will be spray onto soil surface with the application rate of 5 litres per M2

5 . After treatment soil surface should not be excavated in anyway, so as not to damaged the treated chemical barrier before casting on concrete

6 . According to soil treatment standard by chemical manufacturer and Malaysian Pest Control Association 1 hour before rain, treatment will be consider effective and warranty applied

6 . The soil should be leveled and compacted prior to treatment to be carry out.

7 . Upon completion of our assigned treated area notification of any extension of the building an untreated surface to our company is essential, failure to do so will invalid our warranty

8. How ever treatment shall not be carried out just before or after a heavy rain unless the area to be treated can be physically protected to avoid leaching and run off before the termiticide has bind to the soil preserve the effectiveness of the treatment.

09 . Warranty

Date of 5 years warranty start from the date of building completion
(Main Contractor Completion of project – CPC)

10 . Termiticde

Chemical use with an active ingredient of Imidaclorpid 18.7 W/W

11. Termiticide Dilution

Chemical dilution : 1 liter of chemical to 400 litres of water

12 . Site coordination - contractor duties

We will liase with the building contractor in the course of our treatment. However We also appreciate your assistance in bringing to the notice of the contractor

The contractor should endeavor to

a .Maintain reasonable site safety by ensuring that the area to be treated does not posse potential safety to our service technician.

b Maintain reasonable site hygiene by ensuring disposal of woods based on construction debris elsewhere away from the building area to reduce the number of potential food source to subterranean termites

c. Give our local office at least 24 hours notice in advance of the treatment schedule for mobilization

13 Safety

We will ensure all our service technician wear proper personal preventive Equipment at all times within the site

14 Equipment

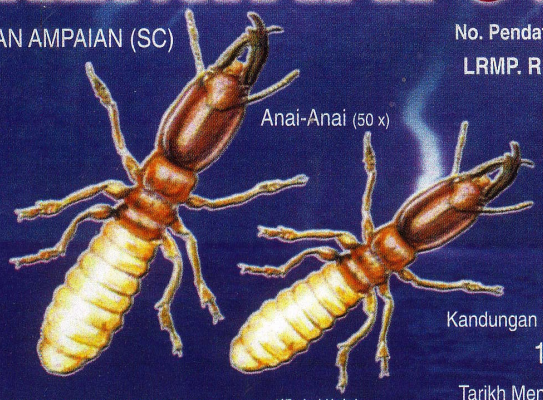
a. Power spray water pump

b. Spray nozzle (used to facilitate the formation of spray in the treatment area

PREMINATOR

PEKATAN AMPAIAN (SC)

No. Pendaftaran :
LRMP. R1/7519



Kandungan Bersih :
1 liter

Tarikh Mengilang :
230412

RACUN ANAI-ANAI / TERMITICIDE / 殺白蟻劑

UNTUK DIKENDALIKAN OLEH ORANG YANG TERLATIH SAHAJA

Perawis Aktif	**imidacloprid**	**18.3% w/w**
Perawis Lengai	.....	**81.7% w/w**

Jika berlaku **KERACUNAN**, sila hubungi :
PUSAT RACUN NEGARA - 1 - 800 - 88 - 8099 (waktu pejabat)
- 012 - 430 9499 (lepas waktu pejabat)

BACA LABEL SEBELUM GUNA

Didaftarkan oleh :

IMASPRO RESOURCES SDN. BHD. (100955-M)
37, Jalan 5, Kaw. 16, Taman Intan, 41300 Klang, Selangor Darul Ehsan, Malaysia. Tel : 603 - 3343 1633 Faks : 603 - 3343 1868

ATURAN PENGGUNAAN : *PREMINATOR* adalah racun serangga daripada kumpulan neonicotinoid yang bertindak secara sistemik, sentuhan dan keracunan perut. **Penggunaan tidak mengikut label adalah satu kesalahan.**

KEGUNAAN 用 途	PEROSAK 害 蟲	KADAR RACUN / 10 LITER AIR 每 10 公升水用藥量	CARA RAWATAN 使 用 方 法
Tanah Tapak Pembinaan 建築地基	Sebelum Pembinaan 建築前 Anai-anai 白蟻 (*Coptotermes formosanus*)	25 ml 毫升	Rintangan melintang : semburkan 4 liter bancuhan setiap satu meter persegi. Jika tanah mengandungi batu atau bahan yang kasar, semburkan 5.5 liter bancuhan setiap satu meter persegi. 橫面防禦：每平方公尺施 4 公升藥液。如粗質土或砂質土則每平方公尺施 5.5 公升藥液。 Rintangan tegak : semburkan 15 liter bancuhan pada setiap 3 linear meter sedalam 30 cm. 垂直防禦：每相隔 3 公尺，把 15 公升藥液注入深約 30 公分之土地內。
	Selepas Pembinaan 建築後 Anai-anai 白蟻 (*Coptotermes formosanus*)	25 ml 毫升	Buatkan lubang-lubang suntikan dengan jarak 40-60 cm di antara setiap lubang. Suntikkan 5 liter bancuhan larutan setiap meter panjang tapak bangunan berkenaan. 每 40-60 公分鑽噴射洞。每公尺的建築地基用 5 公升藥液。

Panduan Membancuh : Disyor menggunakan alat penyembur galas bernozel 'Solid-Cone'. Isikan tangki setengah penuh dengan air bersih. Campurkan ***PREMINATOR*** secukupnya mengikut syor yang ditetapkan dalam jadual sukatan dan bancuh. Seterusnya tambah baki air bersih yang diperlukan dan kacau. Jangan gunakan pada kadar yang lebih tinggi daripada yang disyorkan.

Panduan Rawatan : Rawatan dilakukan sebelum atau selepas pembinaan sebagai pelindung struktur bangunan.

AWAS : a) Bahaya Kepada Manusia : Berbahaya jika terminum. Elakkan daripada terhidu wasap atau kabus semburan. Elakkan daripada terkena pada kulit atau mata. Ketika mengendalikan produk ini, JANGAN makan, minum atau merokok. Selepas mengendalikan produk ini, pastikan basuh badan sebersih-bersihnya dengan sabun dan air. Tutup bekas racun dengan rapat dan simpan di tempat berkunci yang mempunyai peredaran udara yang baik, kering dan dingin. Cuci tangan dan alat penyembur sebersih-bersihnya selepas menggunakannya.
Pakaian dan Alat Perlindungan : Ketika mengendalikan produk ini, pastikan pakai pakaian pelindung diri (PPE) berpiawaian termasuk sarung tangan, gogal, penutup muka dan alat pernafasan (respirator) supaya tidak terhidu kabus semburan.
b) Bahaya Pada Alam Sekitar : Produk ini adalah berbahaya pada organisma akuatik, ikan dan lebah. Jangan cemarkan kolam, sungai atau saliran air.

TANDA KERACUNAN : Gatal-gatal pada kulit atau mata, lemah, kejang otot dan sesak nafas.

RAWATAN KECEMASAN : Tanggalkan pakaian yang terkena racun. Jika terkena pada kulit, basuh dengan menggunakan sabun dan air. Jika terkena pada mata, bersihkan dengan menggunakan air bersih yang banyak. Jika tertelan, beri pesakit minum air dengan banyak dan ikhtiarkan supaya pesakit itu muntah dengan menjolok jari ke dalam kerongkong. Jangan beri apa-apa melalui mulut dan jangan ikhtiarkan pesakit itu muntah jika dia tidak sedar. Dapatkan rawatan perubatan dengan segera.

RAWATAN PERUBATAN : Rawatan hendaklah mengikut tanda sakit. **MEDICAL TREATMENT :** Treatment is symptomatic.

BILAS BEKAS KOSONG TIGA (3) KALI SEBELUM MELUPUSKANNYA. JANGAN GUNAKAN BEKAS RACUN UNTUK MENYIMPAN MAKANAN. TANAM BEKAS RACUN APABILA KOSONG.

BERBAHAYA
JAUHKAN DARIPADA MAKANAN DAN KANAK-KANAK

KELAS III

HARMFUL
KEEP AWAY FROM FOODSTUFF AND CHILDREN

有害品
勿貯藏在靠近食品或兒童所接觸的地方

தீங்கிழைப்பது
உணவுகள் மற்றும் குழந்தைகளுக்கு அருகில் வைக்காதீர்

Termiticide used will be with Trade Name of PREMINATOR and Active Ingredient of Imidaclorpid 18.3% w/w by Imaspro Resources and registered as well as approved by Pesticide Board of Malaysia Under registration of LMRP R1/5519. See attachment

mildaclorpid is a non-repellent and systemic insecticide with a unique chemistry that provides effective termite control in buildings and other structures.

Key Product Facts:

- **Active ingredients: Imidacloprid 18.3% w/w.**
- **Minimum 5 years structural protection.**
- **Proven termite protection.**
- **Excellent all round value.**
- **Fewer complaints.**
- **Long-term termite protection.**
- **No odour.**
- **Recommended by architects for new buildings and large projects.**
- **Unique colony management - to provide maximum estate protection.**
- **Registration and approval from, the Pesticide Board Of Malaysia (Lembaga Racun Makluk Perosak Malaysia under Registration No LRMP: R1/7519**

PESTGROUP – ANTI TERMITE CLIENTELE LIST (MOST RECENT)

01. Ibu Pejabat Polis Dearah (IPD) Lahad Datu- Syt Pembinaan Karun
02. Residential Development at Sutera Harbour Resort- Pencaran Kemuncak Sdn Bhd
03. Expansion of hospital Likas- Imej Sutera Sdn Bhd
04. SMK Weston Beaufort Sabah- Syarikat Cemerlang Wawasan
05. SK Pekan Beluran-Prosper Rank Sdn Bhd
06. 8 units show house bungalow house at Alammesra-Timur Dalam Construction Sdn Bhd
07.Pembangunan Pentas Budaya Warisan Sabah- Sam Hing Construction
08.University Malaysia Sabah Phase 3-Tang Lai Tuan Construction and services
09.SK Kota Klias Beaufort- Onjadi Sdn Bhd
10.SMK Gadong Beaufort-Onjadi Sdn Bhd
11.SMK Kinarut Papar Sabah- Onjadi Sdn Bhd
12.SMK Benoni Papar- Megarela Development Sdn Bhd
13.SMK Usukan 2 Kota Belud- Megarela Development Sdn Bhd
14.SMK Beaufort- Onjadi Sdn Bhd
15.SMK Sindumin Sipitang- Wemal Construction Sdn Bhd
16.Pengkalan Polis Merin Semporna dan Quarters-Wemal Construction Sdn Bhd
17.SMK Tanjung Batu Tawau-Alpha Borneo Sdn Bhd
18.Pejabat JKR Penampang-Agebda Waja Sdn Bhd
19.Villa Imbaan Penampang-Corak Sinar Sdn Bhd
20.Taman Sri Juta Phase 3A-Evermajukota Sdn Bhd
21.SMK Padang Berempah Sipitang-Marudu Construction
22. SK Ratau Ranau- RW Bumikon Sdn Bhd
23.SK Darun Kinabatangan- Usaha Sulayan Sdn Bhd
24.SK Bonglkod Kinabatangan- Usaha Sulayan Sdn Bhd
25.SK Paris Kinabatangan- Usaha Sulayan Sdn Bhd
26. SK Batu Seputeh Kinabatangan- Usaha Sulayan Sdn Bhd
27.Bayshore Likas Sqwuare-SPK Construction
28.Fakulti Perubatan Sekolah Perubatan UMS-Movon Development
29.Dewan Kuliah Pusat kedua- Pembinaan Dynamik Sdn Bhd
30.Pusat Pengajian Pasca Siswazah UMS-Pem,binaan Dynamik Sdn Bhd
31.Menaik taraf Pusat Serenti Papar-Seri Wacana Sdn Bhd
32.Sutera Harbour Residential Resort-Kaya Karisma Sdn Bhd
33.SMK Samparita Kota Merudu-Kaya Krisma Sdn Bhd
34.SMK Agama Bukit Padang-Nicaria Sdn Bhd
35.Pondok Balai Polis/Sukala Kampus UMS-GRM Engineering Sdn Bhd
36.Peak Condo Tanjung Lipat Kota Kinabalu-Eng Han Bina Sdn Bhd
37.SK Tegasan Semporna-Onjadi Sdn Bhd
38.GE Industriak Inanam-KA Contractor Sdn Bhd
39.Lokaw Height- Bina Selari Sdn Bhd
40.Sandakan Low Cost Apartment- Sinwira Sdn Bhd
41.Marudu Construction Sdn Bhd
42. Kini Unggul Sdn Bhd
43.Nicaria Sdn Bhd
44.China Birneo Builders
45. SaraTimus Sdn Bhd
46. Proposed Apatment at KKIP-Syt Kekal Mewah Sdn Bhd
46.Perumahan Raktyat Labuk Sandakan-Simwira Sdn Bhd
47.Pusat Serenti Papar- Sri Wancana Sdn Bhd
48.POIC Fertilizer Building-Bina Selad Sdn Bhd
49.Citidex Construction Sdn Bhd
50.The Peak Condo-Eng Hon Bina Sdn Bhd
51.Proposed Condominium at Swamp Road-Hasrat Mahir Sdn Bhd
52.Pejabat Wisma JPNS Liks-Hidayah Permai Constructiopn Sdn Bhd
53.Esajadi Sdn Bhd
54.Kaya Kartuna Sdn Bhd
55.Tanah Emas Telupid Sdn Bhd
56 Wemal Construction Sdn Bhd
57.Akas Permai Sdn Bhd
58.Movon Delelopment ASdn Bhd

59.Lahad Juta Sdn Bhd
60.Setia Sahabat Constructiion Sdn Bhd
61. KTI Construction Sdn Bjd- Proposed housing at Tuaran
62. Balai Polis and Quarters Inanam- EBina Construction Sdn Bhd
63.Setia Sahabat Construction Sdn Bhd
63. Alpha Jasa Sdn Bhd
64. Proposed Parking Complex Fohsang- Juta Hajat Sdn Bhd
65. Pengkalan FOG Mabul Island- Borneo Hartamas Sdn Bhd
66. Newgates Engineering Sdn Bhd- Project Balai Bomba dan Quarters Nabawan Keningau
And Etc



Sample of warranty certificate

TERMS & CONDITIONS
(Professional Eradication System against Termites)

1. **PEST** guarantee their workmanship in all areas treated for the period between now and _____.

2. Should infestations by Subterranean termites occur within the guarantee period retreatment of the affected area will be undertaken no extra charge.

3. This guarantee does not cover any losses or the costs of repairs or replacements which may be or become necessary as a result of the activity of Subterranean termites.

4. The benefit of this guarantee is automatically trasferred to any subsequent owner of the treated building.

5. The owner of the treated building must allow access to **PEST** to do such inspection within the premises as and when necessary. The owner's failure to do so will invalidate this guarantee.

6. Any renovation, addition or extension to the treated building must be notified to **PEST** in writing prior to any such undertaking in order that **PEST** may recommend the necessary preventive measures. Failure to make such notification or treatment will invalidate this guarantee.

COMPANY PROFILE

COMPANY NAME	: PESTGROUP SYNERGY SABAH SDN BHD ***(A member of PEST Group of Companies)***
DIRECTORS	: MR GERARD LIEW CHIEH
MANAGING DIRECTOR &	: MR.GERARD LIEW CHIEH
REGISTERED ADDRESS	: NO. 8796, 3RD FLOOR, PENDING COURT, JALAN KWONG LEE BANK, 93450 KUCHING, SARAWAK
BUSINESS ADDRESS	: NO. 8796, 3RD FLOOR, PENDING COURT, JALAN KWONG LEE BANK, 93450 KUCHING, SARAWAK
TELEPHONE NUMBER	: 088-858988
FAX NUMBER	:
DATE OF INCORPORATION	: 17TH FEBRUARY, 2000
REGISTERED NUMBER	: 1360717-P
AUTHORISED CAPITAL	: RM 1,000,000.00
PAID UP CAPITAL	: RM 1,000,000.00
CORE BUSINESS	: ENVIRONMENTAL SERVICES
BRANCHES (KK)	**: LOT 36 CYBER SQUARE, LORONG CYBER SQUARE 4 PENAMPANG 88200 KOTA KINABALU, SABAH**
TELEPHONE	**: 088-858988**
BRANCH (MIRI)	: NO 8669 OFF PARENT LOT 3239, BLOCK 11 KBLD PUSAT BANDAR BARU PERMYJAYA, 98000 MIRI
BRANCH (BINTULU)	: NO 8 JALAN MUTIARA SG PLAN TANJUNG KIDURONG 97000 BINTULU
BRANCH (SANDAKAN)	: LOT 5B BLOCK H (TYPE A) TINGKAT BAWAH BANDAR KIM FUNG BATU 4 JALAN UTARA 90000 SANDAKAN
BRANCH (TAWAU)	: 1ST FLOOR, WISMA PELABUHAN, PELABUHAN TAWAU 91000 TAWAU
BRANCH KUALA LUMPUR	: 1 SENTRAL LEVEL 16 JALAN STESEN SENTRAL 5 KL SENTRAL 50470 MALAYSIA

Company Profile

The company, Pestgroup Synergy Sabah Sdn Bhd (PEST) was incorporated 2/2000 as an Environmental Services Based company aimed at establishing itself as a renowned force in provision of specialized pest management services and Washroom Hygiene services.

PEST has the experience and expertise in creating custom-designed service packages to suit specific needs. Its clients includes offices, prestigious corporations, factories, fast-food outlets and restaurants, higher institution of learning, hotels, homes...and more.

Having head office in Kuching, Sarawak and a branch office in Miri, Kota Kinabalu & Kuala Lumpur; enables the company to serve its clients nationwide. Currently, it has a staff force of 25, servicing throughout Sarawak; branching off to Sabah with a staff capacity of 15. In Kuala Lumpur, PEST incorporating Ractus Environmental Services to form a branch with a staff force of 8.

Here, in PEST, we practice environmental friendly ways of pest control. We know that if our clients were to trust us in providing solutions to their pest problem, we have to assure them of our professionalism and commitment to quality service.

Our strength is in having qualified professional surveyors to conduct meticulous surveys and evaluations to come up with treatment protocols customized to clients' needs at an equitable premium. Well-trained service personnel complemented by technical support team will execute our professional and specialized treatments. Our Planning unit will coordinate implementation of work where quality will be assured and continuously monitored.

THE PROFESSIONAL TEAM

PEST is structured to reflect the professional and specialist nature of our business. Our operation is managed by four inter-related units focused on the same objectives where each client is assured of our best attention in a caring manner.

Planning Unit

Evaluation Unit

Service Coordination Unit

Technical Support Unit

Each inter-dependent unit is headed by highly qualified and experienced professionals who are enthusiastically sharing our common aspiration...

W...Worthiness in our dealings
E...Effective solutions to pests and hygiene problem
C...Courtesy is our culture
A...Advice clients on pests and hygiene related issues
R...Response to clients' need with urgency
E...Enthusiastic in what we do and in our dealings with clients.