

***Premium Flow*™ Barrier System**

Installation Manual Sample Forms and Paperwork

Premium flow™

INSTALLATION GUIDE

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INTRODUCTION

Premium flow[™] is a reticulation system for treating the soil around the perimeter of a concrete slab and under construction joints as a deterrent against the concealed entry of termites. The system utilizes State-of-the-art cylindrical PC low-volume drippers to provide uniform calculated delivery and the Soil dispersal of the termiticide is enhanced by the properties of the geotextile sleeve to create an even dispersal mechanism.

The chemical barrier is produced by a combination of mass flow in the geotextile which delivers the solution and capillary action in the soil which is responsible for its spread.

The *Premium flow*[™] system was developed by an Australian company **The WhiteAnt Co Pty Ltd** and it has had an intensive period of R&D into how to build an easily replenishable and serviceable chemical barrier system to protect building from subterranean Termites.

Premium flow[™] is attached to the face edge of a concrete slab and covered with soil with the delivery pipe approximately 30-50mm below the finished surface level.

Premium flow[™] is placed on a pad of sand under the moisture barrier (plastic sheet) at the line of a construction joint in concrete slabs. This will form a chemical barrier approximately 300mm wide at the construction joint.

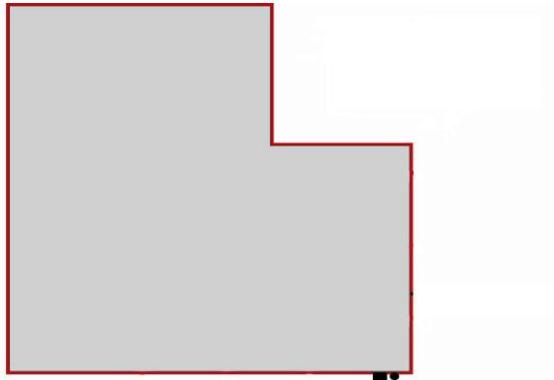
Premium flow[™] is attached to the soil face of a retaining wall and is layered at 200mm centres across the surface of the retaining wall.

Premium flow[™] will deliver 100litres of termiticide to each cubic metre of barrier in less than 10 minutes. Only one pump-up point is required for every 70m of line.

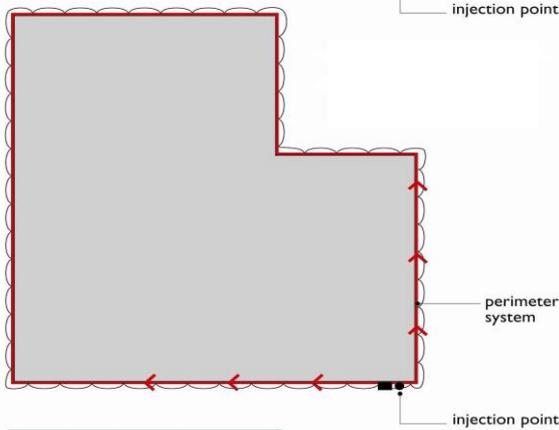
The co-efficient of uniformity (CU) for the discharge of termiticide from emitters in the drip line is approximately 98%

Premium flow[™] is manufactured in Australia from UV stabilised and biologically resistant materials

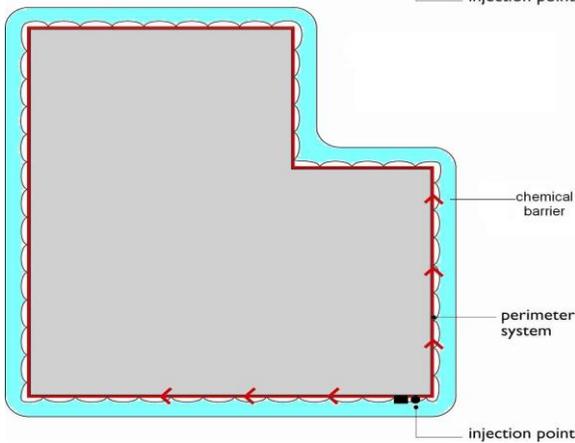
OVERVIEW



Step 1 – Measure the perimeter and find the best position for the injection box

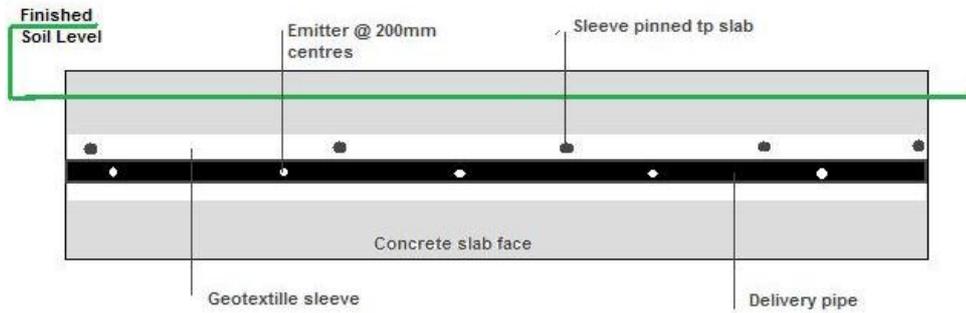


Step 2 – Pin Protectant Premium flow™ system to edge of building slab

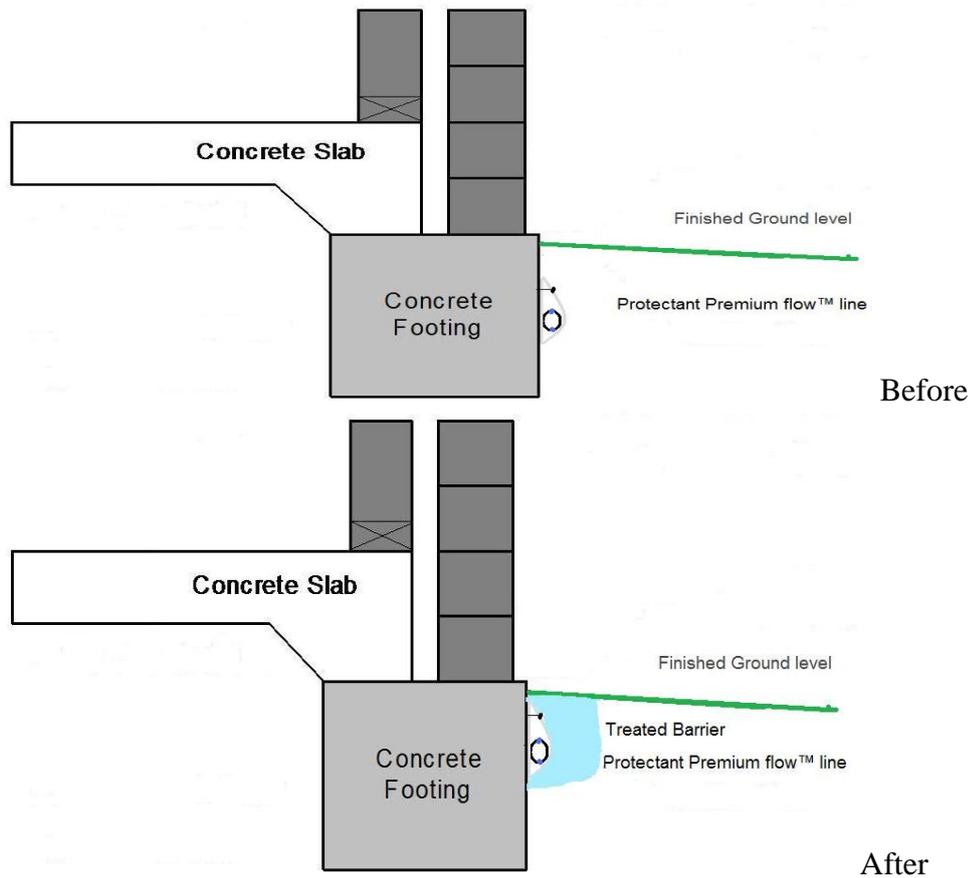


Step 3 – Inject termiticide to create a chemical barrier in the soil

Premium flow™ line



Soil treatment



INSTALLATION AND OPERATION PROCEDURE

System Design

1. Excavate an area 150mm wide and 75mm deep around the edge of the slab.



2. Measure the perimeter of the slab. If it is greater than 70m more than one zone and injection point will be required. The maximum size of a zone is 70m with 35m either side of the pump-up point.
3. Slabs on different ground levels will need a separate Systems for each level.
4. Every system must have an pump-up point.

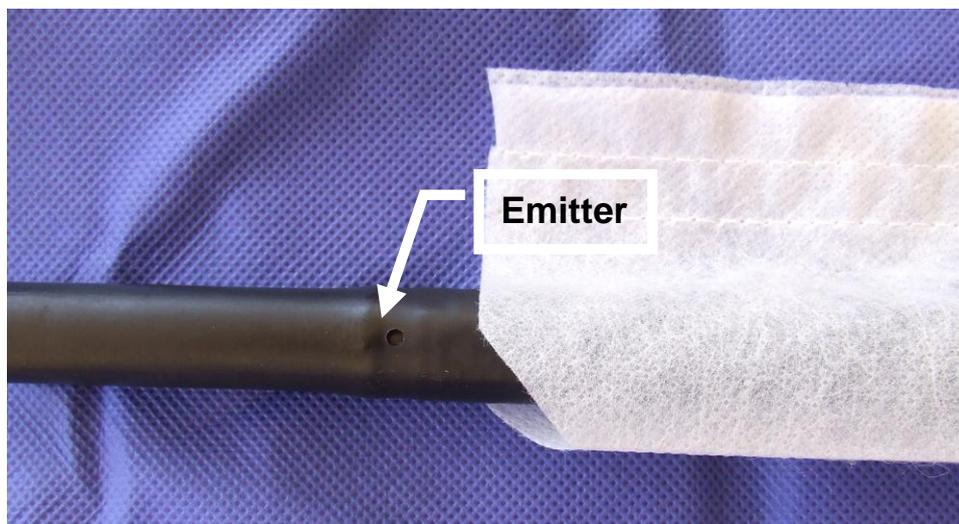
Installation

1. Start the installation from the pump-up point. This should be located at a point accessible to the street front to make charging of the system easier.
2. Setup the pump-up point in a pathway trap



3. Connect the Premium flow™ line to one side of the injection Tee

4. Run the Premium flow™ line to the first corner of the slab and check that there is no emitter where the line should be cut to fit the elbow. To install the fitting cut out the majority of the black pipe between each emitter, the fitting requires 35mm of the pipe after the emitter. This will hold the spacing at 200mm or less and will maintain adequate coverage.



5. Move the injection Tee slightly to allow the elbow fitting to align perfectly with the corner. Cut the line and fit the elbow with ratchet clips. Cover the fittings with geotextile to assist chemical spread in this area. To install the fitting cut out the majority of the black pipe between each emitter, the fitting requires 35mm of the pipe after the emitter. This will hold the spacing at 200mm or less and will maintain adequate coverage.



6. Put a single masonry nail (15-25mm) through the *Premium flow*[™] fabric and drive the nail firm with a hammer or pneumatic nail gun to hold the first run in place.
7. Run *Premium flow*[™] line from the other side of the pump-up tee ensuring that emitter placement doesn't interfere with the connection to the pump-up tee or the next elbow.
8. Put a single masonry nail (15-25mm) through the *Premium flow*[™] fabric and drive the nail firm with a hammer or pneumatic nail gun to hold the run in place.



9. Repeat the process of adjusting *Premium flow*[™] runs until all elbow fittings align perfectly with the slab corners.

10. Fit end plugs



11. Overlap the ends of neighbouring lines by 10cm or 1 emitter to ensure there are no gaps in the chemical barrier.

12. Nail the *Premium flow*[™] line to the slab at 0.5m intervals to prevent sagging and to ensure the system is tight against the slab

13. Check an end cap has been fitted at each injection point



14. Conduct a pressure and flow check on each zone before covering the system with soil.

Pressure and flow test

Pump water through the system for 2 minutes at 100kPa pressure. If the pressure falls below 100kPa during the test then the pump cannot cope with the flow rate required by the system. In this case, either the pump or the size of the system will need to be changed. A low pump pressure may also indicate there is a leak somewhere in the system.

The volume of water pumped in 2min@100kPa = 0.66L for each meter of Premium flow™ line. For a system with 70m of Premium flow™ line the volume required will be 0.66 x 70 or approximately 46.6 litres.

15. After flow and pressure tests have been completed successfully, allow the system to drain or remove the end caps and flush with air. This is a good time to take photos of the installation and to draw a plan of the site for future reference.
16. Cover the Premium flow™ line with a soil that conforms to the soil profile requirements described in this manual.
17. Consolidate the soil firmly enough to ensure it makes good contact with the system and to remove large air pockets as these interfere with capillary movement of water. Make sure the final ground level is approximately 30-50mm above the top edge of the Premium flow™ line.
18. Inject the system with the termiticide at the rate and volume required by the label.

Calculating the chemical requirement

For example, if the recommended concentration of a product is 1L of concentrate in 100L of water and this solution is to be applied at a rate of 100L per cubic metre of soil perimeter then the following calculation can be done:

Calculate this :

width X depth X length = (volume) X 100 L. = volume of mix.

All measurements in metres.

Eg. 0.15 X 0.1 X 70m = 1.05m³ X 100 L = 105 L

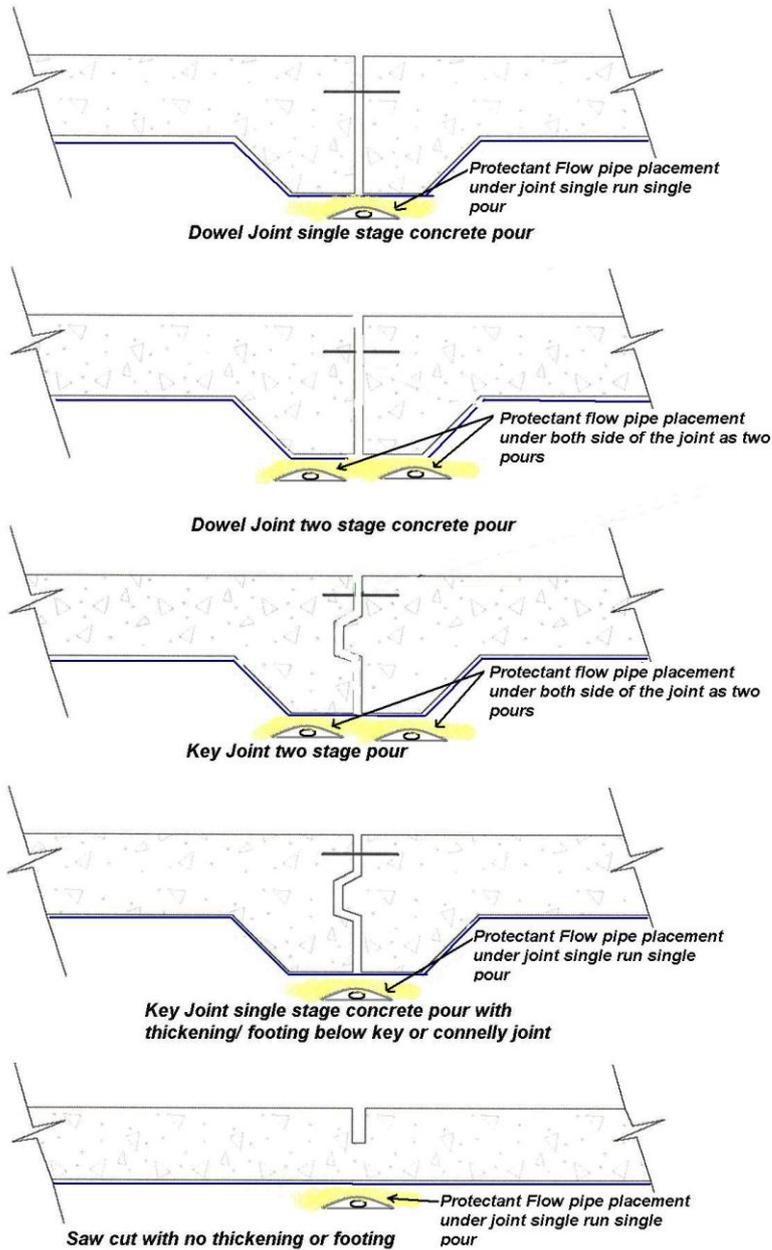
Total length of line within a zone is	70m
Total volume of treatment solution for the zone is	105L
Total volume of concentrate required is	1.05L

The treatment solution can then be made by adding 1.05L of concentrate to the mixing tank and making this up to 105L with fresh water.

19. Flush rinse the mix tank with approximately 10% of the volume; this is to ensure the correct volume of termiticide is in the soil, not left in the delivery pipe.
20. Disconnect the hose from the pump-up point, recap the threaded nipple with threaded cap and close and lock the pathway trap.
21. Provide the building owner or their agent with a Certificate of Termite Treatment in accordance with AS 3660 series Take special care to record on the certificate the areas covered by the system, The length of each system and the volume required for each system and list as limitations any factors that may reduce the effectiveness of the treatment.
22. Fix two durable notices to the building in a prominent locations such as inside a meter box and under the kitchen cupboard.

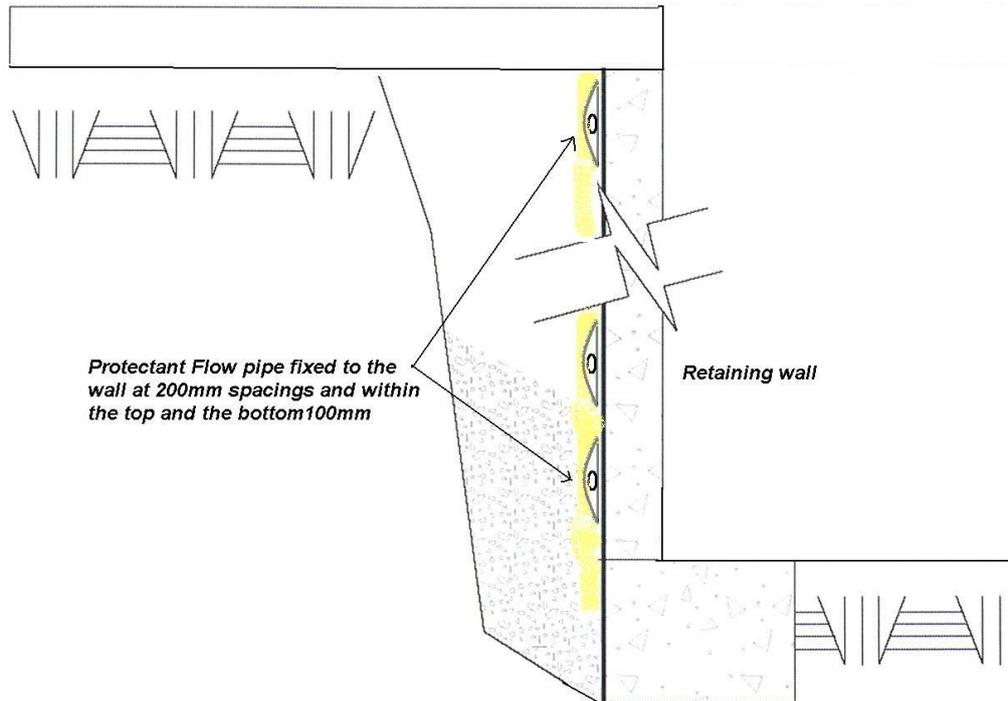
Premium flow™ Construction Joint Barrier

Premium flow™ is placed on a pad of sand under the moisture barrier (plastic sheet) at the line of a construction joint in concrete slabs. This will form a chemical barrier approximately 300mm wide at the construction joint.



Premium flow™ Retaining wall Barrier

Premium flow™ is attached to the soil face of a retaining wall and is layered at 200mm centres across the surface of the retaining wall.



SPECIFICATION

SOIL PROFILE.

Premium flow™ produces a uniform barrier in the soil by way of a combination of two properties:

- Mass flow in the geotextile which delivers the solution.
- The capillary action in the soil which is responsible for its spread.

Capillary wetting is the wicking action of a soil. It determines the width of the wetting pattern and is important for the development of a uniform chemical barrier in the soil

Soils differ in their capillary properties and this is broadly related to soil texture. Fine clay soils produce the widest patterns but these develop relatively slowly which is a disadvantage when creating a chemical barrier. Sands react relatively quickly but do not achieve the same width.

Most termiticides are adsorbed onto clay and organic matter in soils. This protects the chemical barrier from washing out which can be a problem with pure sands.

Too much clay or organic matter can also be undesirable because they strip out the chemical and restrict its dispersal in the soil.

Care should be taken selecting the soil that is used to cover the system. A sandy loam is preferable. Soils with more than 10% clay or with a high content of added organic matter (compost, potting mix, biosolids etc) should be avoided. Soils that are water repellent should also not be used. Large clods of clay, rocks, bricks, timber and other debris should be removed from the soil as they will interfere with the spread of the chemical by capillary action.

Gypsum applied at the rate of 250g/m - gypsum is a useful addition to any soil as it improves capillary spread.

The sand or soil is nominally 50-100mm in depth is clean and has a grade within the following specification,
95-100% passing 6.7mm and 0-10% passing 75um sieves.”
In both the sieve size comply with AS 1152-1993 ‘Specification for test sieves.’

Manufactured Soils

Where the available soil is unacceptable one of the following may be used:

- Brickies Sand – This is a mixture of sand and clay components and is available across Australia
- Screened sandy loam suitable for top dressing lawns. This is generally referred to as screened living soil. The Screening process reduces the total volume of compost and biosoils ect.
- 50%Paving dust and 50% fine sand – paving dust will absorb moisture readily and so will fine sand.

The WhiteAnt Co will only warrant the Premium flow™ system, if these soil guidelines are followed by the installer.

Contact the Premium flow™ Technical Manger if you have any questions about the suitability or supply of a soil.

CHECK LIST

Installation and first injection

1. Excavate an area 150mm wide and 50-75mm deep around the edge of the slab.
2. Measure the perimeter of the slab. If it is greater than 70m more than one system and pump-up point will be required. The maximum size of a system is 70m with 35m either side of the pump-up point.
3. Setup the pump-up point in a pathway trap.
4. Fit and attach the Premium flow™ to the slab face. Put a single masonry nail (15-25mm) through the *Premium flow*™ fabric and drive the nail firm with a hammer or pneumatic nail gun to hold the run in place.
5. Check end plugs and that all fittings are screwed tight.
6. Check lines are properly pinned to the slab and there is no sagging.
7. Conduct a pressure and flow check on each system before covering the system with soil.
8. Visually check for emergence of wetting pattern and leaks.
9. Inject the system with the termiticide at the rate and volume required by the label.
10. Flush the system with approximately 10% of the volume of chemical mix that was applied as per the calculations for that system. This can be clean water or tank wash (raise from tank).
11. Disconnect the chemical pump up hose from the systems pump-up point, recap the filler point with a cap and close and lock the pathway trap.
12. Place treatment stickers in electricity box and cupboard.
13. Provide certificates of installation and injection to the builder or home owner. Retain copies for records.
14. Take digital photos of the system after completion and file according to job number for future reference.

Second and subsequent injections

1. Conduct a pressure and flow check on each system
2. Check that the system has not been uncovered by washouts or construction
3. Check integrity of corner fittings
4. Check that the pump-up box is locked and has not been tampered with
5. Check that Garden or path constructions have not disturbed the soil over the system
6. Inject the system with the termiticide at the rate and volume required by the label.
7. Visually check for emergence of wetting pattern and leaks
8. Flush the system with approximately 10% of the volume of chemical mix that was applied as per the calculations for that system. This can be clean water or tank wash (raise from tank).
9. Disconnect the chemical pump up hose from the systems pump-up point, recap the filler point with a cap and close and lock the pathway trap.
10. Place treatment stickers in electricity box and cupboard.
11. Provide certificates of installation and treatment to the builder or home owner. Retain copies for records.

SYSTEM MAINTENANCE

Records

A copy of the certificate of treatment with a site plan should be kept by the Pest Control Operator as required by Australian Standard AS 3660.1-2000 'Termite management – New building work' and Australian Standard AS 3660.2-2000 'Termite management – Existing building.

Inspections

The householder should be informed of the need for an annual inspection of the building by a Licensed Pest Control Operator to check for bridging or breaching of the barrier. If bridging or breaching is found, a further treatment will be required.

Reinjection interval

The frequency with which a site will require treatment will depend largely on the chemical properties of the termiticide and the climatic conditions. This information can be obtained from the chemical manufacturer is generally shown on the label.

The slab will need to be retreated at a shorter interval whenever the soil chemical barrier has been disturbed. In this case, the barrier may be re-established by reinjecting the slab through the Premium flow™ system or by hand spraying the breached area.

Treatment will be in accordance with the APVMA label for the termiticide.

Repairs

Leaks around elbows and other cam lock fittings can be repaired by reconnecting the fitting and tightening the cam lock.

Punctures in the drip pipe can be repaired by cutting out the section of damaged pipe and rejoining the line with an inline joiner. If an emitter is involved, it can be removed and replaced with a section of new pipe with emitter. This operation will need two joiners.

After any repairs, it is important to re-establish the geotextile strip to bridge the affected region and maintain the integrity of the system.

Physical breaches

Any disturbance of the treated soil may disrupt the chemical barrier and void the warranty. This could be because soil is removed or because the barrier is covered with untreated soil or mulch.

In all cases, the area should be repaired and chemically retreated. Any new soil should conform to the requirements outlined earlier in this manual. Furthermore the finished level of the soil should be approximately 25mm above the top edge of the system.

Flushing

The Premium flow™ system can be flushed by removing the end plugs and pumping fresh water through the lines. The waste water from this operation should be collected and disposed of appropriately as it will contain residual termiticide.

TECHNICAL SPECIFICATIONS

- Premium flow™ – Non PC
- Opening Pressure - 0m head
- Discharge Rate - 20 L/m/hr (litre/metre/hour)
- Component Materials:
 - Irrigation pipe: Drip line
 - Geotextile: Polyester composites
- Operating Pressure Range: 0 - 18m head (0 -176kPa)
- Dripper line: ID: 13.90 mm - OD: 15.7 mm ; wall 0.9
- Best applications: Level House Slabs
- Maximum perimeter length per pump-up point: 70m (Up to 35m either side of pump-up Tee)
- Suggested depth of installation: 25-50mm below finished soil level
- Maintenance requirements: Reinject lines according to chemical manufacturer's specifications.
- Installation method: Nail to vertical side of house slab.
- Connection fittings: Drip line and 16mm Cam-lock fittings

PARTS LIST

PART PHOTO	PART NAME	PART NUMBER
	STOP END CAP	NL16 STOP
	TEE JOINER TEE PUMP-UP POINT	NL 16 TEE
	90°ELBOW SINGLE PUMP-UP POINT	NL 16 E
	FEMALE TAKE OFF END	NL 16 FEM
	MALE TAKE OFF END	NL 16 MAL
	INLINE JOINER	NL 16 INLINE
	$\frac{3}{4}$ " THREADED CAP 20mm THREADED CAP	20 CAP
	PATHWAY TRAP	PWT

	COVER SLEEVE	CS
	DELIVERY PIPE	TUBE
	BARBED TEE	BT 16
	BARBED 90° ELBOW	BE 16
	BARBED INLINE JOINER	BI 16
	16mm RATCH CLIP	RC 16
	BARBED TAKEOFF	BT 16
	20mm THREADED ELBOW	TE 20
	20mm THREADED JOINER	TJ 20

LABEL AND CERTIFICATES

The Australian Standard AS 3660.SERIES– 2000 requires that a durable notice is fixed in a prominent position on the building after it is treated and that a certificate of installation is provided to the building owner or his agent. Examples of these documents follow.

CERTIFICATE OF INSTALLATION

In accordance with AS 3660.1 – 2000
New Construction

Name of owner/builder: _____

Property Address: _____

Full Under Slab External Perimeter Internal Perimeter & Penetration Chemical Injection

STEP 1 - UNDER SLAB CONSTRUCTION JOINTS

Refer to mud map on Page 3 for details.

Name of installer: _____ Date of Install: _____ Signature: _____

STEP 2- FULL EXTERNAL PERIMETER

Refer to mud map on Page 3 for details.

Name of installer: _____ Date of Install: _____ Signature: _____

STEP 3 - CHEMICAL PUMP UP

A Liquid Termite Barrier was installed through the Premium Flow System which was installed to the areas indicated on the mud map.

This was carried out using the liquid termiticide _____
which contain the active constituent _____. The concentration of
the liquid termiticide/s used was _____ and the total volume was _____ Lt.

Name of installer: _____ Date of Pump Up: _____

The system(s) are / are not integrated with the concrete poured by the builder to form the termite barrier. The resulting barrier is a complete / partial (cross out one of the other) barrier.

If the barrier is not complete further work may be required as partial barriers are not effective and may allow undetected Termite entry. You should consult with the builder. See limitations below.

A qualified Timber Pest Inspector should inspect the building and its surrounds at least once every twelve (12) months.

It is strongly recommended by the Australian Standard AS 3660.2 that more frequent inspections (3 to 6 monthly) should be carried out.

We recommend an inspection prior to the installation of gardens, paths, lawns and other landscaping and again on completion

of this work. We recommend an inspection of the building and the surrounds every _____ months.

Termiticide Barriers degrade (break down) over time and should be replenished in the future.

After one of the required regular inspections of the property, the inspector may advise you of the need to re-pump the Premium Flow System.

If the above barrier(s) is / are integrated with the concrete then the concrete forms an integral part of the termite barrier to this structure. In this case, the Builder should be asked for a Certificate from the concrete firm that the concrete has been poured in accordance with AS 3660.1-2000.

Limitations that apply to the above installation are: _____

Certificate of Installation in accordance with AS 3660.1-2000

Terms and Conditions

DISCLAIMER OF LIABILITY TO THIRD PARTIES: - This Certificate is made solely for the benefit of the builder/owner named on the face of this Certificate and no liability or responsibility whatsoever is accepted to any third party who may rely on this Certificate either wholly or in part. Any third party acting or relying on this Certificate in whole or in part does so at their own risk. This disclaimer does not apply to persons responsible for Building Approvals.

1. Prior to the site being prepared the builder should have ensured that all termite activity found was eradicated in accordance with AS 3660.1-2000. Prior to work commencing, the builder should have arranged for a qualified licensed person to inspect the site to investigate and eradicate all economically important termite nests found. The failure to have this inspection carried out may mean that termite nests many not have been found and eradicated and may still be active under the construction. See clauses 3 and 10 below.
2. The effectiveness of this installation is dependent upon the provision of a complete (full) barrier being installed in accordance with AS 3660.1-2000 using approved termiticides, systems and/or products. If the barriers are disturbed, breached or bridged then concealed entry by subterranean termites is possible.
3. No liability is accepted for any failure of a termite barrier and the installer warrants only to provide such remedial action as may be necessary during the first 12 months from the date of this Certificate. No such warranty is provided if there are limitations listed on this Certificate or if the barrier is a partial barrier or if the builder has not arranged for the termite eradication in clause 1 above.
4. The barrier(s) installed, as detailed on this Certificate and in the diagram, provide a barrier against subterranean termites only. The barrier is not a barrier against any other pest(s) and in particular does not provide any barrier against "dry wood" (KALOTERMITIDAE) or damp wood termites.
5. No responsibility is accepted, or warranty implied, for any termite damage that may occur as the result of termite activity, either past, current or in the future.
6. The termite barrier(s) can be rendered ineffective due to building alterations, renovations, additions (pergolas, awnings, verandahs etc), introducing infested materials, and timber off cuts, wood chips and formwork left on site, materials stored against the building. External barriers can be destroyed completely by the installation of lawns, gardens, pathways, landscaping etc adjacent to the building. When making such changes you should first contact us. Where such changes are made a further termite barrier installation is essential.
7. When installing paths, lawns, gardens etc it is very important not to cover air vents or weep holes. If the slab edge is exposed by 75mm to form part of the termite barrier system then it is equally important not to cover the slab edge unless another form of barrier is installed. Again contact the Altis Licensed Installer Company before carrying out any such covering. Where such changes are made further termite barrier installation is essential.
8. Do not use untreated timbers for garden edges or retaining walls. Untreated timber attracts termites.
9. Good ventilation and drainage are important, as poor ventilation and drainage greatly increases the risk of termite attack.
10. The WhiteAnt Company takes NO RESPONSIBILITY for the concealed entry by termites resulting from poor building design or poor building practices.
11. It is the building owner's responsibility to ensure that the inspections, recommended in AS 3660.2-2000, are performed. Please contact WhiteAnt Company.

VERY IMPORTANT

If you become aware of the presence of termites within the grounds or on or within the building you should contact the WhiteAnt Company. You should notify the Altis Licensed Installer Company if you become aware that the installed barrier has been breached or bridged in any way.

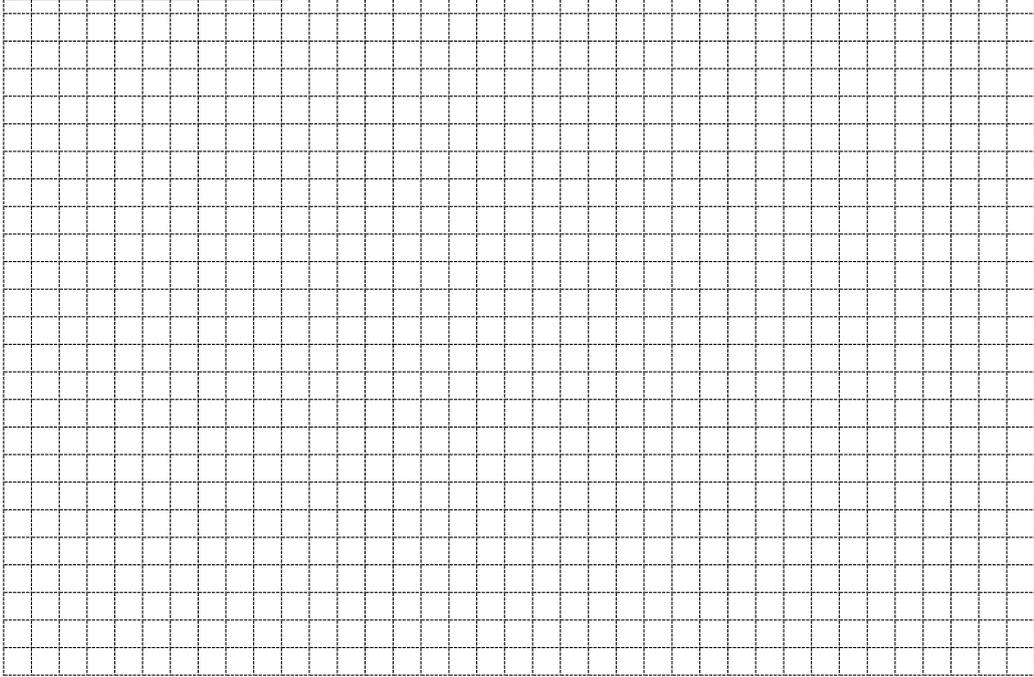
The Australian Standard AS 3660.2-2000 recommends that: "Regular, competent inspections should be carried out at least on an annual basis but more frequent inspections are strongly recommended". The Standard also recommends, "The building owner should ensure that regular inspections – are carried out by a person competent in Unit 8 Inspect and Report on Timber Pests of the National Pest Management Competency Standards, or equivalent" and has "experience in accordance with the specified AS 4349.3-1998". Termites can build barriers but can be detected during recommended inspections.

Modern termiticides have a limited life expectancy. The termite barriers will need to be re-installed. The timing can only be determined by regular, competent inspections as recommended by AS 3660.2-2000 carried out by a qualified termite inspector.

IMPORTANT INFORMATION: The Australian Standard AS 3660.1-2000 Termite Management Part 1: New Buildings details the "methods to deter concealed entry by termites" and goes on to say "a termite barrier system constructed in accordance with this Standard cannot prevent termite attack, as barriers may be bridged or breached. Where termites bridge barriers the evidence may be detected during inspections". A treatment in accordance with AS 3660.2-2000 to eradicate such an infestation will be required.

Diagram (not to scale) showing the location of the installed barrier(s). The direction of North is indicated by the  symbol.

Legend:
 Construction joint
 External Perimeter
 Pump Up Point



New Construction: It is very important that the Termite Barrier is not bridged or breached. This can happen when installing a garden bed, lawn or other landscaping or building works. You should contact us prior to carrying out any such work. DO NOT disturb the treated areas in any way.

Frequent inspections are important. Termite barriers do not kill or stop termites. The barriers are installed to prevent concealed access only. The barriers are designed to force the termites into the open. Thus the mud tubes that they use to gain access may be seen during inspections. For this reason such inspections should be carried out at least annually. A Termite treatment in accordance with AS 3600.2-2000 can then be carried out to eradicate the termites.

If you become aware of any activity do not disturb the termites in any way. You should notify us as soon as possible. Please contact us if you ever have any concerns about Termites or the effectiveness of the Barrier.

Post Construction: Terms and Conditions of Page 1 form an important part of this Certificate. If the above barrier(s) is / are integrated with the concrete then the concrete forms an integral part of the termite barrier to this structure. In this case, the concrete should have been poured in accordance with AS3660.1-2000.

The Installing Company did not install any concrete or any part of the building structure that forms any part of the barrier and takes no responsibility for any failure of the Termite Barrier that results from the failure of any concrete or building construction to perform as a Termite Barrier.

Installation Firm: _____ Name of Installer: _____
 Firm's Address: _____ Installers Licence No.: _____
 Telephone: _____ Signature: _____
 Date: _____

CERTIFICATE OF TERMITE TREATMENT

In accordance with AS 3660.2 – 2000
Post Construction

Name of owner/builder: _____

Property Address: _____

AS 3660.2 Termite work: **Nest Eradication or Termite Foaming**

Protectant Premium Flow System **In conjunction with Other Barrier Installation** **Chemical Injection**

Nest Removal, Eradication and Termite Dusting or Foaming:

A termite nest was / was not located in / at _____ and therefore
was / was not removed or was treated with _____. All termite entry points
should be found. Finding them may result in us causing damage to your property. We take no responsibility for the cost of the repairs
of such damage and you agreed to meet the full cost of all such repairs. Termite entry points were found in the following area(s)
_____. Termite activity was treated with _____
the direct application of _____ termiticide dust or foam into termite workings in the following
area(s) _____ and will require inspection in 7 to 21 days
_____ termite activity is still present at this inspection then further dusting or foaming will be required and a further inspection will be required.
Such dusting or foaming treatments should continue until all termite activity has ceased. This is not necessary when a dusting or
foaming treatment is performed.

Premium Flow System:

An Premium Flow System(s) was installed in the following area(s) : Refer To Mud map on page 3. The Barrier System is Premium
Flow System. The method(s) of installation was Reticulation. The system is / is not integrated with the liquid termiticide barrier and
is not integrated with the building to form the termite barrier. Please see the section on limitations. This barrier system should not
be installed until after all evidence of termite activity has ceased (See Sections on Dusting/Foaming and Baiting above).

Other Termite Barrier:

A treated Zone or Termite Barrier was installed to the following area(s) _____

The Barrier System that was used is _____

Chemical Injection:

Using the liquid termiticide(s) _____ which contain the active constituent(s) _____
Bifenthrin / Imidacloprid / _____. The concentration of the liquid termiticide/s used was _____ %
and the total volume used was _____ Lt. Termiticide barriers degrade (break down) over time and should be
replenished in the future. The Termiticide manufacturers claim their products should last from 2 to 10 years depending on the
type and strength of termiticide used and the site conditions. So in the future, after one of the required regular inspections of
the property, the inspector may advise you of the need to re-install the treated zone or barrier.

If the treatment was carried out as part of a treatment for active termites then an inspection of the property and buildings should
be carried out one to three months after the completion of this treatment and again three months after that. Treatments resulting
in partial barriers will require more frequent inspections. The Termite Barrier formed using all or any of the above barriers is a
full / partial barrier. Partial barriers are unlikely to be effective and on going inspections are required and further treatments may
also be required. No warranty can be given where only partial barriers have been installed.

Limitations that apply to the above installation are: _____

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Certificate of Termite Treatment in accordance with AS 3660.2-2000

Terms and Conditions

DISCLAIMER OF LIABILITY TO THIRD PARTIES:- This Certificate is made solely for the benefit of the builder/owner named on the face of this Certificate and no liability or responsibility whatsoever is accepted to any third party who may rely on this Certificate either wholly or in part. Any third party acting or relying on this Certificate in whole or in part does so at their own risk. This disclaimer does not apply to persons responsible for Building Approvals.

- The effectiveness of this installation is dependent upon the provision of a complete (full) barrier being installed in accordance with AS 3660.1-2000 using approved termiticides, systems and/or products. If the barriers are disturbed, breached or bridged then concealed entry by subterranean termites is possible.
- No liability is accepted for any failure of a termite barrier and The WhiteAnt Company warrants only to provide such remedial action as may be necessary during the first 12 months from the date of this Certificate. No such warranty is provided if there are limitations listed on this Certificate or if the barrier is a partial barrier.
- The barrier(s) installed, as detailed on this Certificate and in the diagram, provide a barrier against subterranean termites only. The barrier is not a barrier against any other pest(s) and in particular does not provide any barrier against "dry woods" (KALOTERMITIDAE) or damp wood termites.
- No responsibility is accepted, or warranty implied, for any termite damage that may occur as the result of termite activity either past, current or in the future.
- The termite barrier(s) can be rendered ineffective due to building alterations, renovations, additions (pergolas, awnings, verandahs etc), introducing infested materials, timber off cuts, wood chips and formwork left on site, materials stored against the building. External barriers can be destroyed completely by the installation of lawns, gardens, pathways, landscaping etc adjacent to the building. When making such changes you should first contact. Where such changes are made a further termite barrier installation is essential.
- Do not use untreated timbers for garden edges or retaining walls. Untreated timber attracts termites.
- When installing paths, lawns, gardens etc it is very important not to cover air vents or weep holes. If the slab edge is exposed by 75mm to form part of the termite barrier system then it is equally important not to cover the slab edge unless another form of barrier is installed. Again contact The WhiteAnt Company before carrying out any such covering. Where such changes are made further termite barrier installation is essential.
- Good ventilation and drainage are important, as poor ventilation and drainage greatly increases the risk of termite attack.
- The WhiteAnt Company takes NO RESPONSIBILITY for the concealed entry by termites resulting from poor building design or poor building practices.
- It is the building owner's responsibility to ensure that the inspections, recommended in AS 3660.2-2000, are performed. Please contact the WhiteAnt Company.

VERY IMPORTANT

If you become aware of the presence of termites within the grounds or on or within the building you should contact the WhiteAnt Company or another termite management firm immediately. You should notify the WhiteAnt Company if you become aware that the installed barrier has been breached or bridged in any way.

The Australian Standard AS 3660.2-2000 recommends that:-"Regular, competent inspections should be carried out at least on an annual basis but more frequent inspections are strongly recommended". The Standard also recommends, "The building owner should ensure that regular inspections – are carried out by a person competent in Unit 8 Inspect and Report on Timber Pests of the National Pest Management Competency Standards, or equivalent" and has "experience in accordance with that specified in AS 4349.3-1998". Termites can build around barriers but can be detected during recommended inspections.

Modern termiticides have a limited life expectancy. The termite barriers will need to be re-installed. The timing can only be determined by regular, competent inspections as recommended by AS 3660.2-2000 carried out by a qualified termite inspector.

IMPORTANT INFORMATION: The Australian Standard AS 3660.1-2000 Termite Management Part 1: New Buildings details the "methods to deter concealed entry by termites" and goes on to say "a termite barrier system constructed in accordance with this Standard cannot prevent termite attack, as barriers may be bridged or breached. Where termites bridge barriers the evidence may be detected during inspections". A treatment in accordance with AS 3660.2-2000 to eradicate such an infestation will be required.

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