



Certificate Number
SAIG-07-CM20007

WHAT IS ALTIS

It is a patented Reticulation System designed to effectively treat the area under concrete slabs, for protection against infestation by subterranean termites and around the external perimeter of structures to prevent termites entering from the outside of a building. Altis is installed prior to laying of the concrete slab for the internal system and externally after external work has been completed but prior to any concreting, paving etc. Chemicals are added after the concrete slab has dried and so does not expose occupants to chemicals.

WHAT IS DIFFERENT ABOUT ALTIS

Unlike any other system which uses pipes which have been perforated, the Altis system uses flexible unperforated pipes, which have emitters fabricated into the pipe. Emitters the heart and soul of the system are fused into the pipe and these act as a back flow preventers, filters and are scientifically graduated to flow at the rate of 3.6 litres per hour. The Emitters are located every 175mm along the length of the ribbon, tape or pipe which is at least double the recommended minimum material needed to deliver and spread the chemicals. These emitters distribute chemical at a measured rate. This is of particular advantage in difficult areas such as clay sites, uneven sand pads, and step-downs. The termiticide is induced at low pressure, which combined with controlled rate emitters maintains an even distribution at all points along a pipe. Because of this "even flow" it is not necessary to balance each line in the system against other lines. Lines do not need to be of similar length which is a requirement of other systems. A further benefit is that each line can be run for up to 50 metres, making it possible to treat the entire circumference of most residences from one pump up point.

- emitters ensures no grit, roots from vegetation, or other form of intrusion will clog the pipe and render it ineffective.
- the unique, patented difference is that the pipes are laid over a perforated plastic membrane, beneath the builder's membrane. In this way chemical is distributed evenly and reduces the risk of any area being untreated.
- pipes are different, coloured purple to make them stand out on site, resistant to solvents, are high density for long life and to give them flexibility in undulating situations.
- In recognition of the Altis Technically Advanced Anti Termite System association with Purple, sometimes known as Lavender or Lilac a Trade Mark has been granted.
- the pipe won't crush under the weight of concrete. It can't as it starts life off flat and is designed to be slightly elastic so that on filling it rounds up to about the size of a garden hose and then flattens again on release of fluids.

The heart of the Altis System- the Emitter



RETREATMENTS

An Altis system avoids the cost of expensive retreatment including drilling and retrenching which is necessary when the handspraying method is used, this is a process that may be repeated several times. It is simple and non intrusive to recharge an Altis system. This adds up to a substantial nett saving in the long term and makes Altis a true investment, not a cost.

Drilling holes damages the builder's moisture resisting membrane and creates further access to Termites in the future. A preinstalled ALTIS system means that this intrusion would be unnecessary. This is a substantial saving in costs and no intrusion by drilling or trenching.

This includes internal floor areas. External trenches may also be needed and paving lifted and in extreme cases concrete may need to be cut. This may cause costly damage to floor coverings and inconvenience to tenants or homeowner.

Spread over the 50 year life of a system the cost is less than \$3.00 per week for a typical home. An Altis system is the most cost effective insurance.

ANNUAL INSPECTIONS

A condition of the ALTIS warranty is annual inspection with retreatment if required. The Australian standard 3660.1-2000 recommends that maintenance be carried out within 3 months of completion of the building and then not less than every twelve months thereafter. The primary purpose of the yearly inspection is to ensure breaches of the chemical barrier have not occurred. Altis systems are installed by Altis trained and accredited persons. The Pest Management company that is licensed to install Altis is responsible for installation and to use the chemicals injected according to the chemical suppliers label. As part of the yearly maintenance ALTIS licensees can offer the retreatment of the system on a more regular basis to ensure peace of mind. The service will be less expensive and less intrusive than a drill and trench treatment.

COMPLIANCE

Our low-pressure system with flexible pipes, controlled rate emitters and plastic membrane uses the most recent technology which is far superior to other reticulation systems. Most Altis materials are made in Australia. We do not import cheap overseas pipe, as chemicals for the pipe manufacture are specially blended for Anti-Termite irrigation.

We have today been granted a CodeMark certificate of conformity for the following BCA clauses:

1. Volume One: BP1 .1 and BP1 .2 (*limited only to actions by subterranean termites*)
2. Volume Two: P2.1 (*limited only to actions by subterranean termites*)
3. State Additions: Volume Two: QLD P2.1.1 (*limited only to actions by subterranean termites*)

The CodeMark certificate is available from www.pssst.com.au

Engineer reports show that the flexible pipes bend but will not break if subjected to soil movement, a common problem in clay soils. The perforated plastic membrane will prevent excess addition of water to clay, and the Altis system can use one fifth of the normal water used to deliver chemicals. (Water simply adds to clay movement). The emitters do not allow foreign materials in or out of the pipes.

Where a clay site has only a minimum sand bed due to supply constraints, Altis will still deliver chemicals evenly and effectively (subject to regular inspection and required maintenance by your licensed Pest control company in accordance with a warranty contract).

ALTIS PREMIUM FULL UNDER SLAB SYSTEM

With a premium full under slab system and an external perimeter system every corner is protected.

Even a slab built to Australian Standard 2870 can crack enough to produce a 1.3mm opening. This is sufficient for subterranean termites to enter and disperse undetected.

There is a misconception that most attacks start on the outside of a construction. In fact many attacks are under the slab, and full protection is the best insurance.

Pipes are spread 300mm – 450m apart on perforated plastic sheet over the entire area of the slab. The Altis Premium system incorporates an Altis External perimeter treatment to provide the best possible protection. No other system contains this huge safety margin.



ALTIS INTERNAL PERIMETER SYSTEM

The Altis Internal Perimeter System covers both the internal perimeters of the building as well as service penetrations through the concrete slab.

This system can only be used when the slab is constructed in accordance with Australian Standard 2870. It consists of a 600mm wide perforated sheet with 2 dripper lines or the economy system of 300mm wide perforated sheet with 1 dripper line.

Any slab penetrations must also be linked to the system.



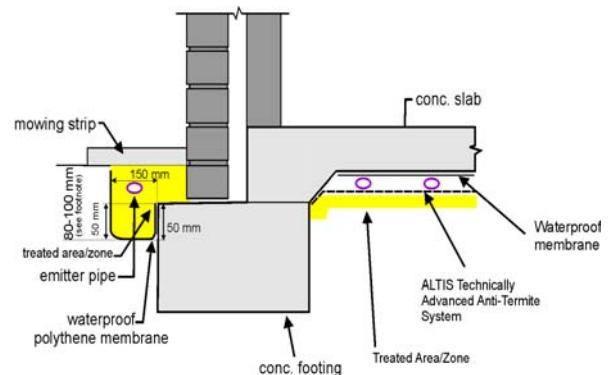
ALTIS EXTERNAL PERIMETER SYSTEM

Perimeter systems will vary according to soil type and construction method, the Altis systems can be adapted to requirements.

There are two products which can be used to meet the requirements to provide a complete external barrier.

The two products are the 150mm wide perforated sheet with one dripper line and the 300 mm unperforated sheets also with one dripper line. These two products can be used singularly or in combination.

Your accredited Altis installer can advise you on what best suits your situation.



Distributed By: Pest Systems, Supplies, Support & Training

a_ 12/547 Kessels Rd, Macgregor QLD 4109

p_ (07) 3349 9274 | f_ (07) 3849 7980

e_ info@pssst.com.au | w_ www.pssst.com.au

Details may be varied at any time without notice 18th July, 2008