



# Information & Installation Manual

A product by Greenzone



# **Altis Pro Reticulation System**



- The new Altis Pro Reticulation System is a thicker walled piping.
- The redesigned emitters have a larger filtering area, allowing for a faster pump-up time, better flow and less clogging possibilities.
- As per the original Altis Reticulation System, the Altis Pro operates with one pump-up station per 100metres.
- Available in 100metre and 400metre lengths.







# **Original Altis Reticulation System**

- The original Altis Reticulation System consists of flexible pipes laid over a perforated plastic membrane.
- The 50metre roll is packaged in a box for easy on-site installation, avoiding tangling, keeping the product clean and dry and ideal for easy storage.









# Why are Altis & Altis Pro Reticulation the best termite management systems?

- Altis reticulation allows constant replenishment for 50 years.
- Hand spraying is not a replenishable system and provides only short-term relief, but Altis provides a long-term solution, with no messy spraying or drilling when retreatment is required.
- Altis ensures that accurately designed rates of chemical are applied evenly through controlled rate emitters (drippers) thus minimising termiticide usage.
- The emitters are scientifically designed with regulated delivery points which ensure the correct amount of chemical is delivered to all areas being treated.
- The evenly distributed chemical prevents any areas being untreated, denying opportunities for termites to enter.



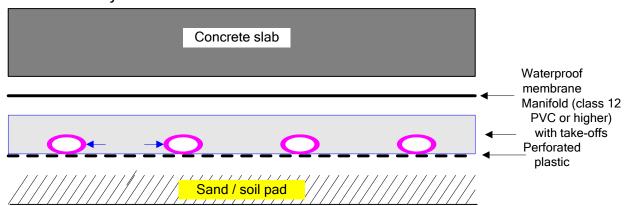




- The termiticide is pumped into the system at low pressure, which maintains an even distribution at all points along a pipe. Use of emitters ensures no roots from vegetation will clog the pipe and render it ineffective.
- Test results showed over a 50metre distance from either side of the pump-up station a complete and even distribution over the entire length of a single line system.
- The pipe emits at 2.7L/hr with emitters at 150 mm centres to give a fast pump-up time even though it is a low-pressure system.
- Altis allows for the treatment to be replaced/recharged with no disruption and no unsightly excavation or drilling.
- The cost benefit over time is considerable as recharge costs are significantly lower than a drill and trench retreatment.

# The Advantages for installing the Altis & Altis Pro Reticulation System

- Altis can be used as a complete system to new constructions with the system below the floor and around the perimeter or on established buildings it can be used as an external perimeter only to complement other termite control methods and add convenience of maintenance.
- Maintenance is much more convenient for the customer and the installer when pump up of new chemicals occur from as little as one fill up point.
- Builders do not need to make special provisions for the Altis system during preparation for construction and concreters are not held up due to the speed at which an Altis system can be laid by a practiced installer using pre-assembled materials.
- For the Original Altis Reticulation System, the pipe is supplied 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 reason for it being flat and elastic is that it won't put a circular indentation in the builder's concrete that would happen with a rigid pipe (weakening the concrete) and has the added benefit that in a clay subsidence the elasticity means the system will continue to function.



- From the above illustration under the slab is a builder's membrane, required to prevent moisture from rising and affect the concrete slab.
- The Altis pipe goes under the builder's membrane using emitters spaced 150 mm apart – the emitter faces down.
- Under the pipe goes the Altis pre perforated plastic membrane, which is different from the builders' membrane in that holes are provided for even chemical dispersion. The chemical leaves the pipe emitter, spreads across the plastic and drops through the Altis membrane.

# The Advantages for installing the Altis & Altis Pro Reticulation System

- Altis is the ONLY system which can treat 50 lineal metres from ONE pump-up point. By use of a multiple manifold system, additional 50 metre runs or shorter can be installed. The only limitations being the capacity of the delivery pump. As most residences have less than 90 lineal metres circumference the Altis system can be recharged from one pump-up point. This makes for ease of recharging and making the system less obtrusive.
- Multiple Altis lines do not need to be balanced. They can run differing lengths of lines from the one manifold, simplifying calculations and making the system close to foolproof.
- Altis can be used on sites where there is a 5metre height difference between pump up point and other sections of the site.
- Brightly coloured purple pipe distinguishes the system from other materials on site.
- Installation can be checked by "Mathematics" to ensure the system is operating as designed.
- Does not require trenches to lay the dripper line.
- No "socks" are needed.
- Joints are easy to use slip joints.
- Flexible 'emitter' pipe allows easy use through undulations. E.g. thickening beams or changed slab levels.
- Materials are partially pre-assembled for greater time savings on the job.
- Altis is a faster installation keeps you happy, and the builder too.
- There are very few specialised tools only a remote control pressure unit (RCPU).
- It is a low pressure system that means you do not require a special pump.
- Pump ups are fast due to a 2.7 l/hour flow rate in the emitter.

# Original Altis Reticulation System Chemicals Information

### **CHECKING THE SYSTEM PERFORMANCE - THE SYSTEM MATHS**

The Altis pipe is fitted with EMITTERS 175mm apart.

The Emitters are rated @ 2.7 litres per hour @ 100 Kpa

Therefore: each metre of Altis pipe delivers

1000/175 X 2.7 = 15.42 litres per metre @ 100 Kpa.

### **APPLICATION RATES**

The treatment rates are at the label rate of 100 litres per cubic meter of soil for treatments to perimeter locations to achieve a continuous barrier 150mm wide to a minimum vertical depth of 80mm. The vertical barrier must continue 50mm below the top of the footing. The horizontal treatment rate of 5 litres per square metre applies for areas under concrete slabs.

### CHEMICALS RECOMMENDED

Greenzone Bifenthrin 10 litre Greenzone Fipronil 5 litre





# **Altis Pro Reticulation System Chemicals Information**



### SIMPLIFIED BREAKDOWN FOR A PEST TECHNICIAN USING THE ALTIS PRO SYSTEM

### **Step 1: Count the Emitters**

- Emitter Spacing: Emitters are installed every 17 cm along the pipe.
- Emitters per Metre: Each Metre contains about 6 emitters (rounded from 5.88).
- Total for 80 Metres: 80 Metres × 6 emitters per Metre = 480 emitters.80

### **Step 2: Flow Rate per Metre at Different Pressures**

• Flow Rate at 150 kPa: Let's assume emitters deliver 3 litres per hour per emitter at this pressure (as per specifications).

6 emitters per Metre × 3 L/h per emitter = 18 L/h per Metre.

• Flow Rate at 200 kPa: At higher pressure, emitters may deliver slightly more, for example, 3.2 litres per hour (hypothetical increase).

6 emitters per Metre × 3.2 L/h per emitter = 19.2 L/h per Metre.

### Step 3: Total Flow Rate for 80 Metres

At 150 kPa:

18 L/h per Metre×80 Metres=1,440 L/h.

At 200 kPa:

19.2 L/h per Metre×80 Metres=1,536 L/h.

### Step 4: Time to Deliver 5 Litres per Metre

At 150 kPa:

Time per Metre=Target VolumeFlow Rate per Metre=5 L18 L/h≈0.28 hours (or 17 minutes

At 200 kPa:

Time per Metre = Target Volume Flow Rate per Metre=5 L19.2 L/h ≈ 0.26 hours (or 16 minutes)

### Step 5: Total Volume of Bifenthrin Needed

Regardless of pressure, the total volume remains:

80 Metres × 5 L/m=400 litres.

### Summary for 150 kPa and 200 kPa

Pressure	Flow Rate per Metre (L/h)	Total Flow Rate (L/h)	Time per Metre (mins)	Total Volume (L)
150 kPa	18	1,440	~17	400
200 kPa	19.2	1,536	~16	400

This breakdown should make it easy for technicians to understand how pressure impacts the flow rate and pumping time.

# **Altis Pro Kev Testing Capabilities Information**



### **Key Testing Capabilities:**

- Material Testing:
  - TGA / MTGA: Thermal decomposition and stability
  - DSC OIT: Thermal properties and oxidation resistance
  - ESCR: Environmental stress crack resistance
  - MFI: Melt flow index for polymer processability
- Durability & Weathering:
  - QUV & Xenon Chambers: Simulate long-term UV exposure, heat, and moisture
  - Climate Oven & Shore Hardness: Evaluate flexibility and structural resilience
- Chemical & Structural Analysis:
  - FTIR + IR Microscopy: Chemical composition analysis
  - Optical Microscopy: Failure investigation and contaminant analysis
- Mechanical Testing:
  - Tensile Testing: Measures strength, elongation, and elasticity
  - Custom Test Development: Tailored tests for specific product needs
- Filtration & Flow Testing:
  - Lab Extruder & Filter Tests: Analyze contamination and clog resistance
  - Blown Film & Gel Count: Assess quality and uniformity of materials

### **Insecticide Compatibility Testing**

The **Greenzone Altis Pro** dripline has been tested for compatibility with commonly used agricultural insecticides, including:

- **Bifenthrin** (a pyrethroid insecticide)
- **Fipronil** (a phenylpyrazole insecticide)

### **Testing Protocols:**

- Soak and flow tests were conducted to simulate long-term exposure to diluted insecticide solutions.
- Pressure cycling was used to assess material fatigue under chemical stress.
- **No degradation** in emitter performance, pipe flexibility, or chemical resistance was observed under standard agricultural concentrations.
- Conclusion:

Altis Pro driplines are **chemically compatible** with bifenthrin and fipronil when used in accordance with manufacturer guidelines for fertigation or chemigation.

This lab ensures that products like Altis meet international standards (e.g., ISO 9261) and are optimized for performance in real-world agricultural environments

# **Altis Pro Reticulation System**









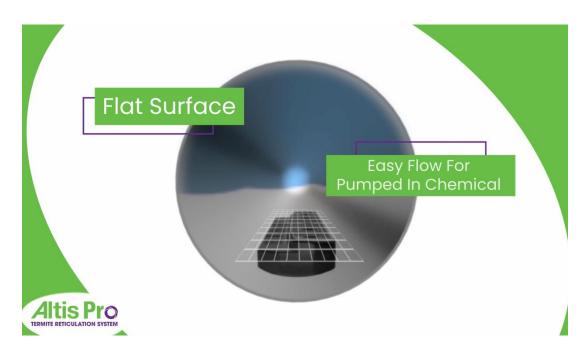


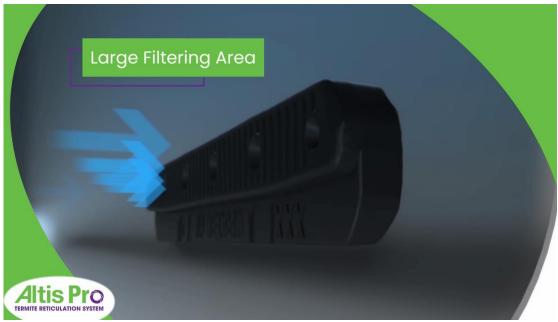
# Altis Pro Reticulation System

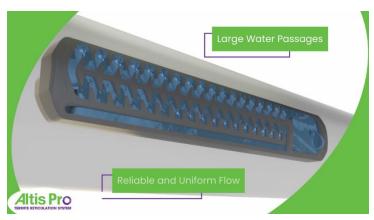
- A thicker, sturdier product.
- Easy installation
- Larger emitters allow greater flow rate and larger filtering areas
- Faster pump-up time
- · Less clogging possibilities
- Can be run 50m from any one pump-up point
- Compatible with existing Altis product components
- · Longer product life.

# **Features and Benefits**









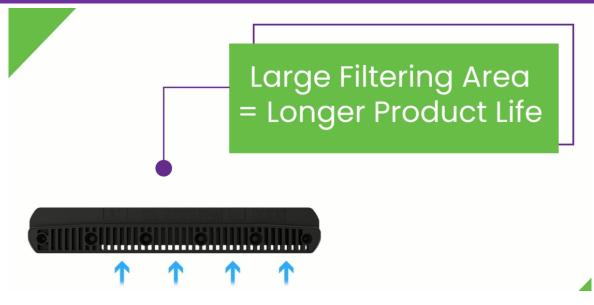


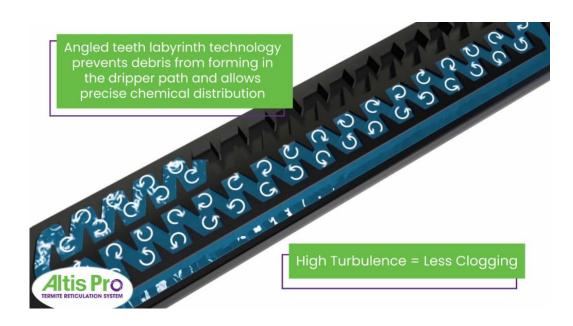


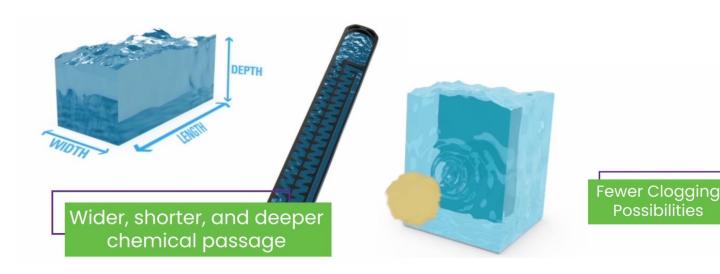
Outside pipe the chemical flows out through 17cm apart holes

# Altis Pro Emitter Technology



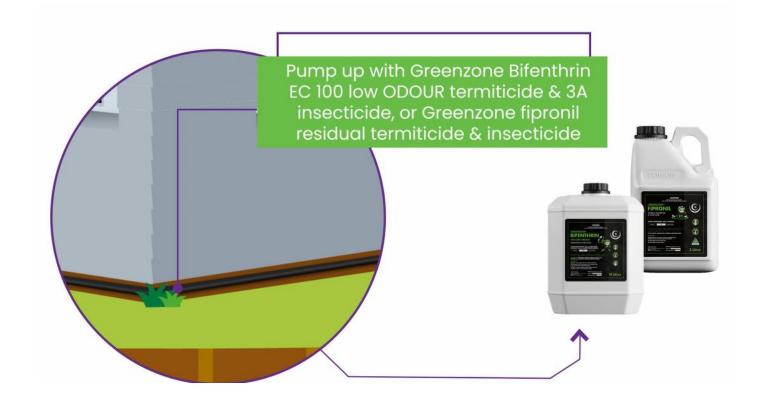


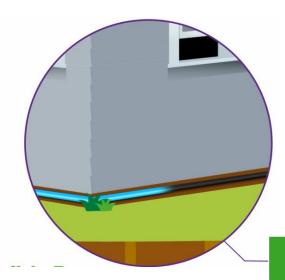


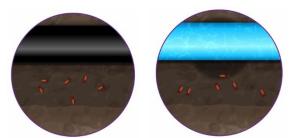


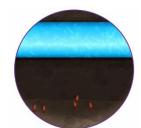
# **Chemical Applications Around Buildings**











With a pump rate tailored for 80metres of piping, Altis Pro delivers 5litres of chemical in approximately 18 minutes, operating at 190kPa pressure

# **Altis Pro Extra Components**





Altis Pro 100m Roll (ALT-40001)





Altis Pro 90° Elbow (ALT-40002)



Altis Pro T Joint (ALT-40003)



Altis Pro Inline Connector (ALT-40005)



Altis Pro Pump-Up Point (ALT-40006)

(consisting of Altis Pro Connector ALT-40004, Reducer ALT-00101 & Threaded Cap ALT-20011)



Altis Pro End Plug (ALT-40007)



Altis Pro Connections Kit (ALT-40100)

# **Altis Pro Easy Guide**



# **Revolutionizing Termite Protection with Precision and Efficiency**

### Why choose Altis Pro for direct termite treatment:

- **Long-Term Protection:** Consistent chemical replenishment for up to 50 years.
- **Optimised Chemical Distribution:** Advanced anti-clogging emitters ensure uniform termiticide delivery.
- Easy & fast Installation: Pre-assembled materials and flexible installation under slabs or around existing structures.
- **Time Saving:** Only one station required for 100 l/m. Pump up an 80-metre system in less than 20 minutes.



# **Example: Protecting a House with 80 Lineal Metres**

- Chemical Requirement: 5 litres of bifenthrin/fipronil per metre.
- Total Volume Needed: 75 metres x 5 litres/metre = 375 litres.

# **Pump-Up Time at Different Pressures:**

- At 150 kPa:
  - Flow Rate: 18 L/h per metre.Total Flow Rate: 1,350 L/h.
  - o Time per Metre:  $5 L \div 18 L/h = 17 minutes$ .
- At 200 kPa:
  - o Flow Rate: 19.2 L/h per metre.
  - o Total Flow Rate: 1,440 L/h.
  - o Time per Metre:  $5 L \div 19.2 L/h = 16 minutes$ .

### **Key Benefits for Pest Managers:**

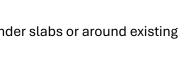
- Quick & Easy Installation with minimal digging
- Fast Pump-up Time: 70-metres in just 16-17 minutes.
- Reduced Waste: Low-pressure delivery minimises chemical wastage.
- **Durable Piping**: ensures long-term, in-ground reliability.
- **Eco-Friendly:** A smarter, sustainable solution for direct chemical termite control.

# Ready to Upgrade Your Termite Management?

Altis Pro is the gold standard in direct termite control offering the pest manager speed and the legendary Altis reliability developed over 25 years in the market.

### Get Accredited Today!

Altis accreditation is FREE! Our sales team are ready to help you add Altis Pro to your pest control toolkit today.









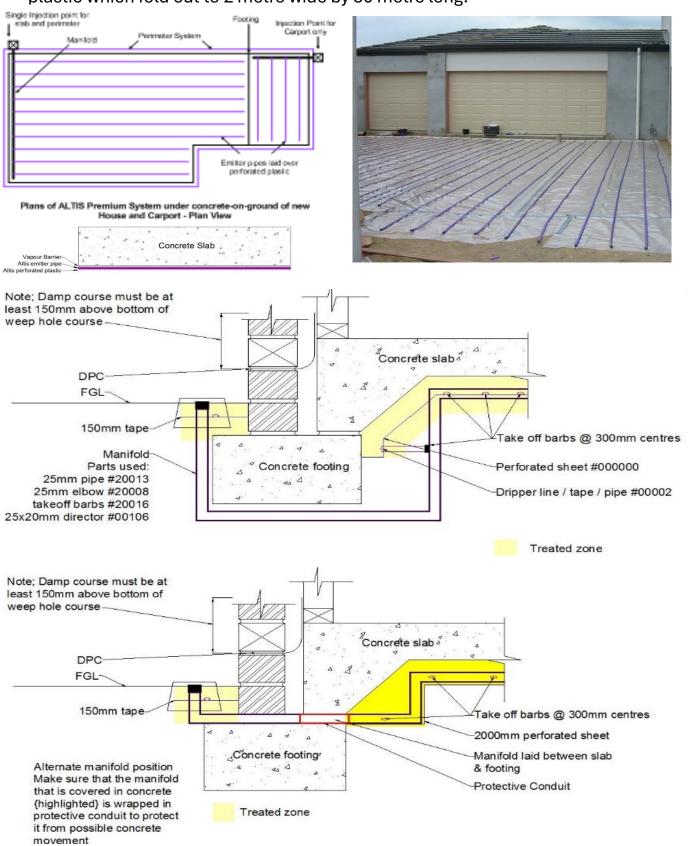


### SUMMARY OF GENERAL ON-SITE WORK

- Preliminary work includes viewing plans and inspection of site prior to Altis System Installation, having regard for footing, slab, plumbing, electrical, and any unusual construction details.
- Obtain copy of plans and discuss suitable injection points with Builder/Architect/Site Supervisor.
- Draw plan of the site area being treated detailing injection point(s), position of manifold(s), and direction of pipes and parameters of area being treated. The injection point(s) must be numbered and recorded on job sheet with the area in square metres.
- Check site to make sure all plumbing pipes are installed, and that sand level is correct.
- Check site injection points and ensure that emitter pipes do not exceed recommended length.
- For original Altis lay perforated plastic, using duct tape to join sections with 50mm overlap. Cut a simple cross in the perforated plastic when it is to be pulled over a penetration pipe.
- Install manifold pipes including pump up point. Make sure not to exceed the 50metre maximum of length each line. Never exceed 180 m2 from any one pump up point; less if your pump has low capacity.
- Run emitter pipes over pad connect to manifold pipe using blue ring joiners. Do not exceed 50metres per length. Emitters must always face down. Emitter pipes must not be twisted.
- Duct tape pipes into position at 1.8 m or less intervals.
- Fit Universal Line End Typhoon & Ring to end of each line.
- After installing injection point(s) inspect site to ensure job has been installed correctly and no joiners left off.
- Fit stickers to meter box or cupboards as required by State regulation

# FULL UNDERSLAB SYSTEM Using bulk goods

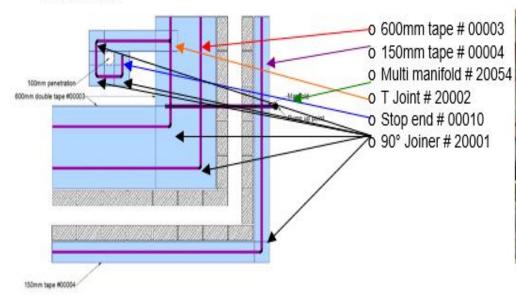
• Components required are 1000 metre rolls of Altis pipe and 1metre wide perforated plastic which fold out to 2 metre wide by 50 metre long.



# **INTERNAL PERIMETER / INFILL SLAB**

- A 50m long roll, 600mm wide and has 2 Altis pipes 300mm apart. It is suitable only for horizontal barrier for flat concrete on ground slabs including Waffle pod design.
- The Pre Assembled 600 under slab sheet and Altis pipe product, is simply rolled out in runs up to 50m to cover the complete area on the under slab.
- · Cut off excess and join corners.
- Each run of the Altis emitter pipe is fitted to the 25 mm delivery manifold connected to the 25mm delivery (lead in ) pipe to the outside of the slab area, using take offs from the manifold pipe.
- The opposite end of each run of the emitter pipe will be sealed using the Universal line end stop.
- This installation MUST be completely covered by polythene waterproof membrane before the steel reinforcing prior to concrete pour.

# 600 wide

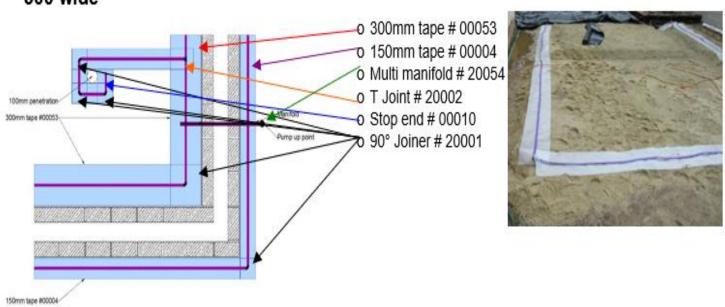




# 300MM INTERNAL PERIMETER SYSTEM

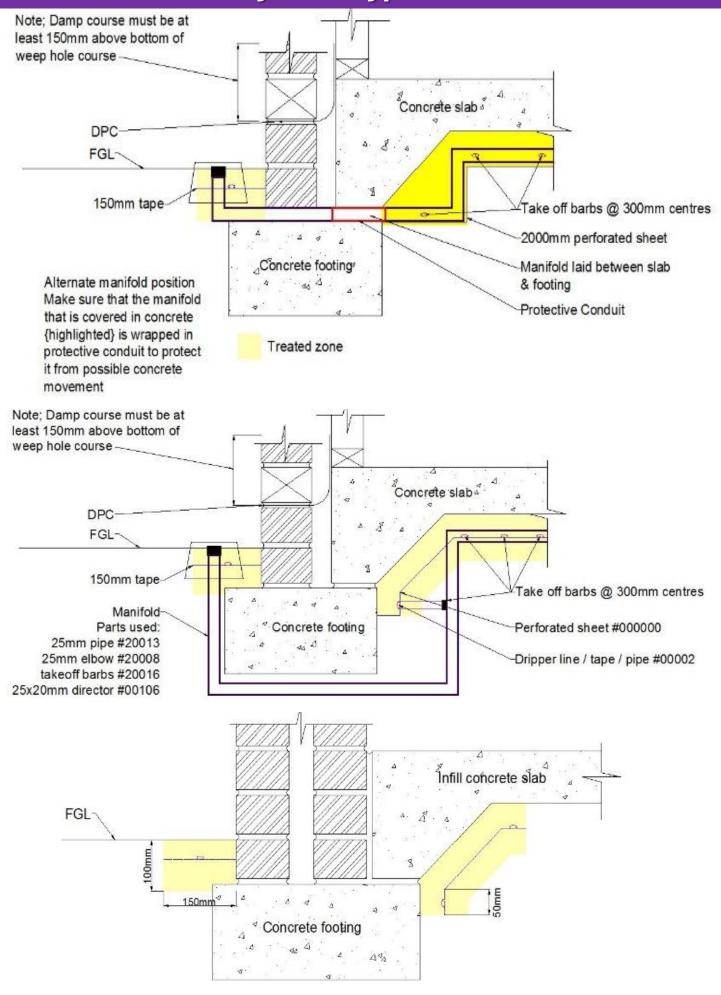
- Original Altis a single line fixed to the centre of a 300mm wide perforated plastic sheet, available in 50m rolls.
- Suitable to form the horizontal barrier of the internal perimeter of slab and the lead up to service and / or post penetrations for slab on ground construction.
- Assembly and pumping is the same as a 600mm wide.

# 300 wide

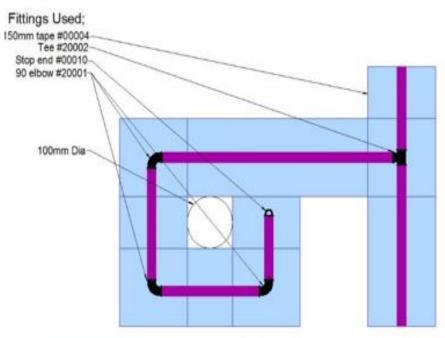


# **300MM INTERNAL PERIMETER SYSTEM**

- Altis Pro a single pipe, available in 100m and 400m rolls.
- Suitable to form the horizontal barrier of the internal perimeter of slab and the lead up to service and / or post penetrations for slab on ground construction.
- Assembly and pumping is the same as a 600mm wide.



# **PENETRATIONS**





- o 150mm tape # 00004
- o T Joint # 20002
- o Stop end # 00010 o 90° Joiner # 20001

### DAM WALL EXTERNAL PERIMETER BARRIER SYSTEM 300MM RETAINER

- The 300mm wide plastic is not perforated and the dripper line is fixed to the 300 sheet 75mm in from one edge. The dam wall lines the outside of the trench to the footing with the ribbon on the inner side to create a consistent treated zone.
- Chemical is forced against the true building base and uses correct volume of chemical.
- External perimeter can be pumped 50 m from each take off point or 100 m from a single pump up point with two take off barbs.
- Suitable for barriers at a depth 100-300mm, using the 300mm *unperforated* sheet as a dam wall. This is a 300mm wide unperforated sheet, fitted with 1 (one) run of the emitter pipe fixed to the sheet. The run of emitter pipe is 75mm in form the one outer edge. The feeder line can be at the base if the sheet can cover the full trench or on the outer soil wall, being 75mm below the finished soil level. This will form a treatment area 150mm wide and to a depth of 300mm when applied to following examples or an average of 150 wide in the above example.



### **EXTERNAL PERIMETER SYSTEM - 150MM PERFORATED**

- Suitable for barriers at a depth 0 -100mm, using the 150mm wide sheet in the horizontal plane. This is a 150mm wide perforated sheet, fitted with 1 (one) run of the emitter pipe fixed to the sheet. The run of emitter pipe is centred with this run 75mm in from the outer edges. This installation needs to be covered by a plastic sheet when directly under concrete or covered with 25 to 50mm of soil. This will form a treatment area 150mm wide and to a depth of 100mm.
- The method is used where the footing is accessible and the total depth of
  the treated area does not exceed 100mm depth. For all other
  requirements the minimum method will be our "dam" construction which
  forces chemical against the true building base and uses the correct
  volume of chemical or to install 150mm runs in layers 100mm apart
  horizontally.
- Your tank size and pump output (litres per hour) determines the size of any one system, e.g. a 100 lineal metre system requires 1.5 l/meter of 150mm system. The maximum length of any one Emitter pipe must not exceed 50 metres off any one Takeoff Barb
- All treated areas/zones are required to have a minimum width of 150mm outside the footing line and a minimum depth past the top of the footing of 50mm and a minimum depth overall of 80mm provided that an area 50mm below the top of the footing is treated.

# **CALCULATIONS**

For all profiles the treatment rates are as per the label a rate of 100 litres per cubic meter of soil.

To calculate this:

```
width X depth X length = (volume) X 100 L. = volume of mix.
All measurements in metres. E.g. 0.15 \times 0.1 \times 100 \, \text{m} = 1.5 \, \text{m} \times 100 \, \text{L} = 150 \, \text{L} = 150 \, \text{L}
```

# EXTERNAL PERIMETER SYSTEM USING 300 MM DAM WALL WHEN BACKFILL IS PRESENT

- Install at a depth of 100-300mm using the 300mm unperforated sheet as a dam wall.
- The feeder line can be at the base if the sheet can cover the full trench or at the top being 75 mm below the finished soil level. This will form a treatment area 150mm wide and to a depth of 300mm. The ground level slope is preferred by BCA.
- External Perimeter system 150mm perforated combined with 300mm dam wall system. Standard system barrier at a depth 300-450mm, using the 150mm perforated sheet in the horizontal plane at the top of the footing and the 300mm unperforated as a dam wall, the feeder line will be at the top being 75mm below the finished soil level. This will form a treatment area 150mm wide and to a depth of 450mm.

### **CALCULATIONS**

 For all profiles the treatment rates are as per the label a rate of 100 litres per cubic metre of soil.

### To calculate this:

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

All measurements in metres. E.g.

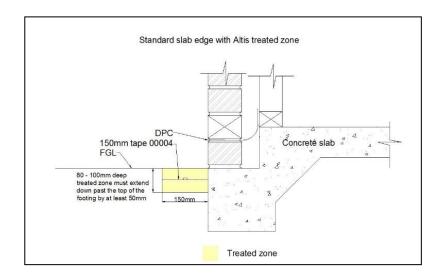
**PLUS** 

$$0.2 \times 0.3 \times 100 \text{m} = 6 \text{m} \times 100 \text{ L} = 600 \text{L}$$

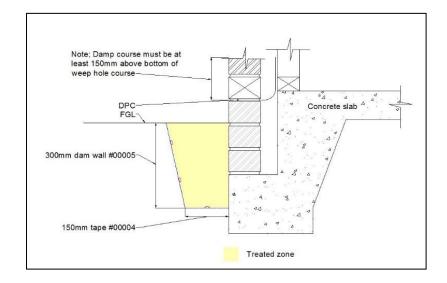
TOTAL 750L

- The 150mm perforated sheet and tape can be used without the 300mm retainer only when the 150 is layered each 200mm with one layer not more than 50 mm below the finished soil level.
- The maximum length of any one Emitter pipe must not exceed 50 metres off any one Takeoff Barb

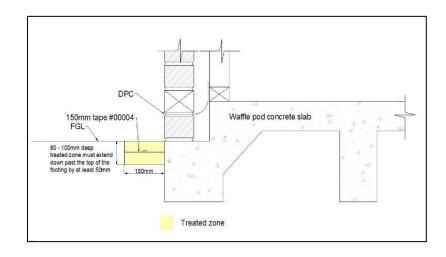
# **DIAGRAMS & PHOTOS OF 150 WIDE**













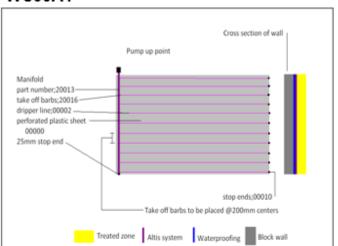
### **VERTICAL BARRIER – SYSTEM INSTALLATION**

- Cut to size and join manifold pipes, ensuring Take-Off holes are in line.
- Connect manifold pipe via delivery pipe to injection point, with screw cap in place.
- Open end(s) of manifold pipe to be capped.
- Prior to on-site installation, Manifold pipe segments should be prepared with holes drilled at 200mm centres, rubber grommets and Take-Offs in place.
- Attach Emitter pipe(s) to Take-Offs and secure with plastic clips. When attaching Emitter pipe to Take-Off, ensure sufficient pipe, emitter free for fitting and fixing. Run out Emitter pipe(s) to extent of wall area to be treated, ensuring Emitter holes face towards wall. Pipes can be placed horizontally as drawing or vertically.
- Seal open ends of Emitter pipes by inserting stop ends.
- Fix manifold pipe to polythene sheeting (previously attached to wall) with fast drying glue such as liquid nails. Arrange Emitter pipes in horizontal parallel lines and fix with fast drying glue such as liquid nails at 1.0 metre centres to the polythene sheeting and / or saddle clamps as surfaces may not always suit glue. Cover with plastic builder's membrane unperforated securing with nail gun.
- Draw on plan, wall location and area being treated, detailing injection point(s), position of manifold(s), director of Emitter pipe(s) and perimeter of area(s).
- The injection point(s) must be numbered and recorded on job sheet with the area(s) in square metres.

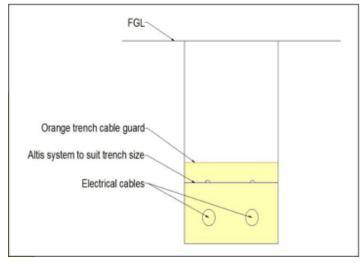
### WS00A2

# Treated zone Block retaining wall Altis tape to be placed @ 200mm centers Concrete slab on fill Note: No ag drain at base of wall.

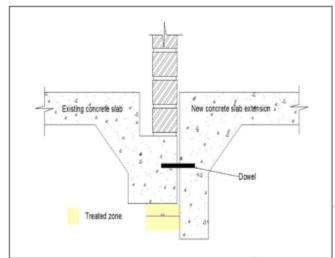
### WS00A1



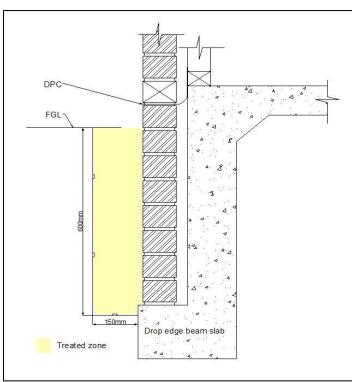
### TRCA00A1



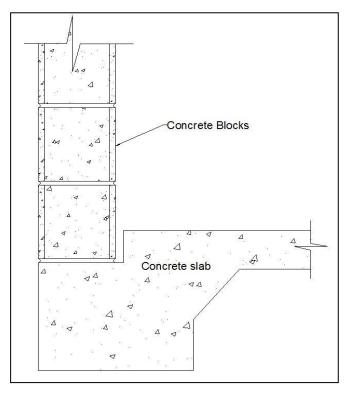
# EXT000A1



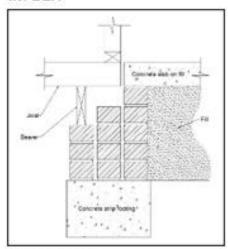
### **EPDREDBM**



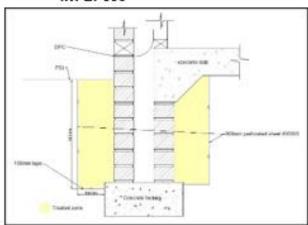
### RW1



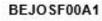
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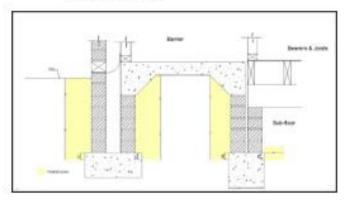


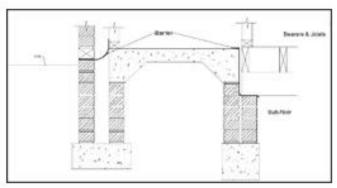
### INFEP600

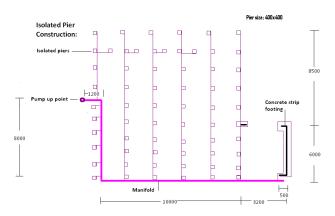


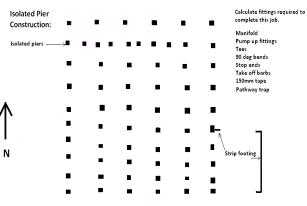














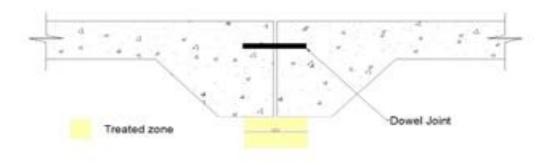




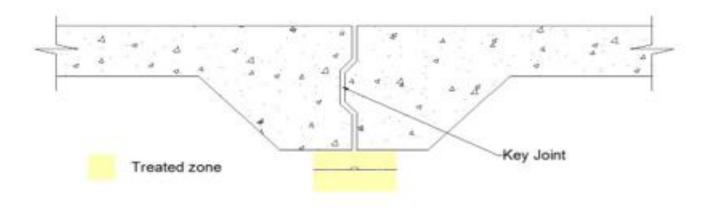


# Control Joints

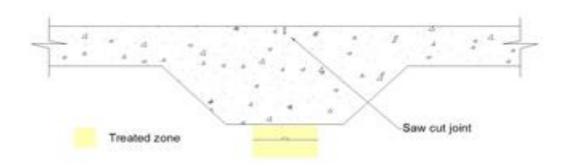
# CJ000A1



# CJ000A2



# CJ000A3



# Injection of Altis Reticulation Systems

# **Tools Required:**

- The manual
- Vehicle with an approved termiticide tank
- Pump with output minimum of 3426 litres per hour (this will inject a system up to 100 square metres)
- 50 metres 25mm ID flexible hose and connections
- Clean water supply
- Adjustable spanner
- Job and check list sheets
- Site plan with injection points shown
- Remote control pressure unit (R.C.P.U.)
- Termiticide Greenzone Bifenthrin or Fipronil
- Remote Control Pressure Unit (R.C.P.U.) consists of an injection snorkel, a
  pressure gauge, a liquid flow rate meter and one on/off valve. Use the
  spreadsheet provided for calculations of Termiticide and time to pump up
  system.

# Injection of all Altis Reticulation Systems

# Quick summary of pumping of system

- 1. Locate injection point(s) on plan and fix injection point(s) into position.
- 2. Work out from plan how much chemical is to be injected and check soil density.
- 3. Fill tank to required level and mix with chemical
- 4. Run pump motor for 15 to 20 minutes to mix chemical correctly
- 5. Pull out hose and join to RCPU unit.
- 6. Open tap on RCPU unit to allow small amount of chemical mix to flow through.
- 7. Go to truck and engage pump.
- 8. Go back to injection point and open taps, watching the pressure gauge at all times.
- 9. When pressure gauge reaches required pressure, walk around site, especially in the wet areas to ensure that a plumber has not cut pipes, and that chemical is not coming up around pipes.
- 10. When full flow rate meter indicates correct amount, turn off pump.
- 11. Disconnect chemical hose
- 12. Flush system with an amount of water equal to 10% of the chemical mix pumped through the system.
- 13. Disconnect RCPU and screw on black filler cap.
- 14. Install safety box lid.
- 15. Place durable notices in meter box.

# **Altis- The Remote Control Pressure Unit (RCPU)**

A RCPU unit is used for injecting with chemical and water mixed as emulsion or water for flushing. It also acts as a non-return valve.

It comprises of two gauges, which are a flow rate meter and a pressure gauge, connectors at each end, one for connection to the pump output and the other to the Altis system. There is also a ball valve tap which is used to adjust the system pressure which must be held at lower than 140 Kpa (100 Kpa optimum).

A flow rate meter measures quantity in litres. The pressure gauge is measured in Kpa as well as lbs/square inch and is used to control pressure in the system.

The RCPU is attached to the valve socket on the Altis injection point and the other end to the hose from the pump.

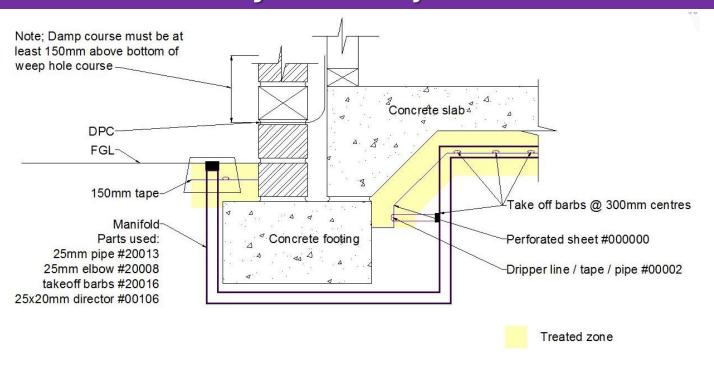
The procedure is to connect the RCPU unit to injection point and connect the pretreat hose to the RCPU unit, ensuring the ball valve tap is turned off. Start the pump and mix chemical emulsion for 15-20 minutes.

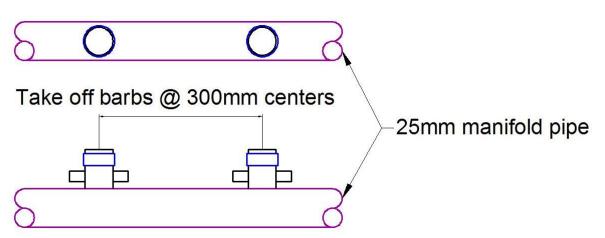
Return to RCPU unit, slowly turn the ball valve tap on, all the time watching the pressure gauge. Once the gauge has reached 100 to 140 Kpa, let the pump run until the required amount of solution has filled the system as per installation sheet requirements.

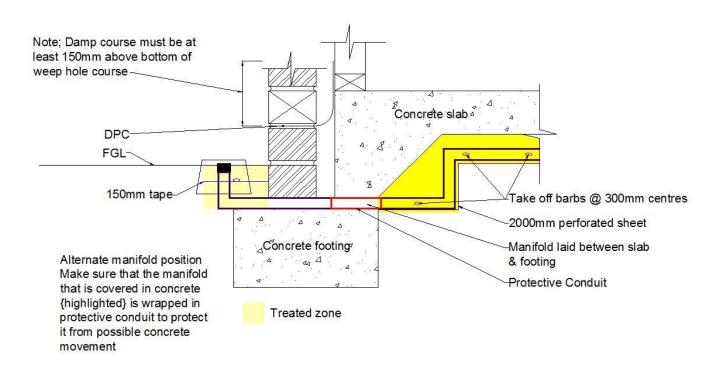
Flush the system with clean water.

Never pump higher than 140 Kpa, 100 Kpa is recommended.

# Altis Reticulation Systems – Injection Point Methods











# Altis Protection SYSTEM



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