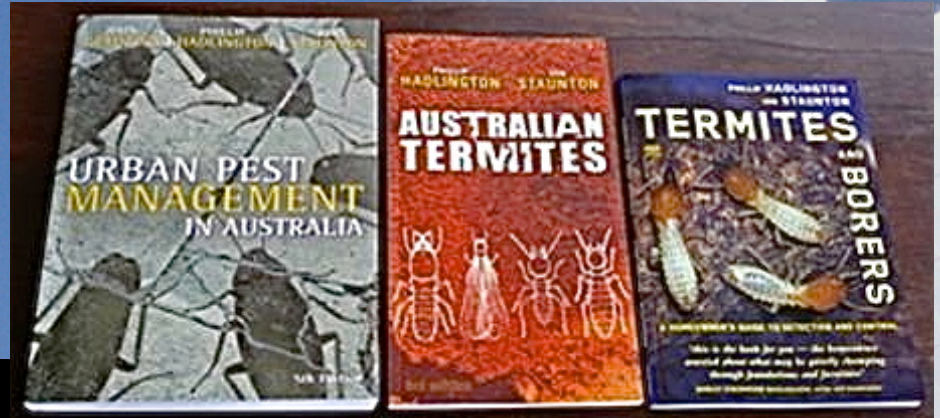


A T M

ANTI-TERMITE METALLIC PHYSICAL BARRIER SYSTEM



THE AUTHOR



ASTRID ONE PTE LTD is proud to have ION STAUNTON (Entomologist), as our specialist termite consultant and advisor for our **Anti-Termite Metallic (A.T.M)** physical barrier system.



Queen with soldiers and workers

Ion's over fifty years of extensive professional knowledge on Subterranean Termite Biology and Behavior combined with our building construction expertise ensures we design and produce an effective eco-friendly **A.T.M** physical barrier system that prevents unseen termite attack occurring in buildings using our system.

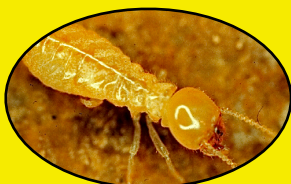
Ion Staunton studied entomology at UNSW, became the founding Secretary of the NSW and Australian national pest industry associations and is the author of three text books used in the training of pest professionals.



A Design & Construct Subterreanean Termite Physical Barrier System That Meets The Flow Of Your Construction Process



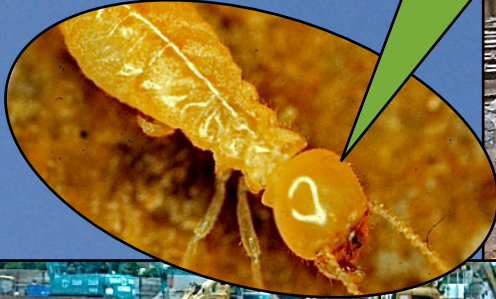
Swarm tubes



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The best time to think about termites is when you are constructing your building



A.T.M

KEEP THEM OUT BY NOT LETTING THEM IN

A T M

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We protect buildings from termite attack

Termite and water barrier

The eco-friendly design, supply & construction of anti-subterranean termite physical barrier system that not only stops the ingress of subterranean termites into the building, but may also be designed as a waterproofing system to ensure water tightness to construction joints. This gives developers and contractors the best value.

YES ! We can give you an integrated Subterranean Anti-Termite Metallic Barrier System with waterproofing that comes with a 10 year guarantee.

A.T.M Barrier System...Our Eco-Friendly System

In recent years, the world has become aware of the importance of protecting the Earth and moving towards eco-friendly and sustainable building construction. A.T.M Barrier System uses only green products to stop the entry of subterranean termites... and water.



Queen with soldiers and workers



Swarmer with workers



Soldiers- note large darkened head

A.T.M Barrier System...Our Design Considerations

The main factors taken into design considerations are as follows:

- Environment
- Types of soil
- Ground water table
- Construction Joints at reinforced concrete slab/wall in contact with ground
- Services Penetrations at reinforced concrete slab/wall in contact with ground
- Construction Joints at planters



Utility tubes

A.T.M Barrier System...Our Design Concept

The Anti-Termite Metallic Barrier System is designed as a permanent physical and continuous barrier to ensure any termite colony attacking the building cannot proceed through gaps in the concrete or masonry but must expose their access via tunnels in order to get over or past the A.T.M Barrier.

The A.T.M Subterranean Termite Barrier System uses only green products which ensure that they will not bring any further damage to the earth. A.T.M System is developed to block the ingress of termites with optional value added engineering concept of waterproofing the concrete structures at joints where termites may enter.



Swarm tubes

Our team of consultant entomologist, professional engineers, and waterproofing specialist custom-make designs and build systems to suit all new concrete buildings and ensure the best value for the owners and end-users.

In every new building, we will carefully study the design and construction sequences with the builders to custom-make a system that will work perfectly well to block the ingress of subterranean termites and water.

Our materials used are as follows but not limited to:



- Metallic components;
- Eco-friendly adhesive;
- Green labeled coating for waterproofing design.



Habitat of Termites

GUARANTEE

A.T.M System comes with a 10 year guarantee against the entry of subterranean termites subjected to a yearly inspection by the installer.

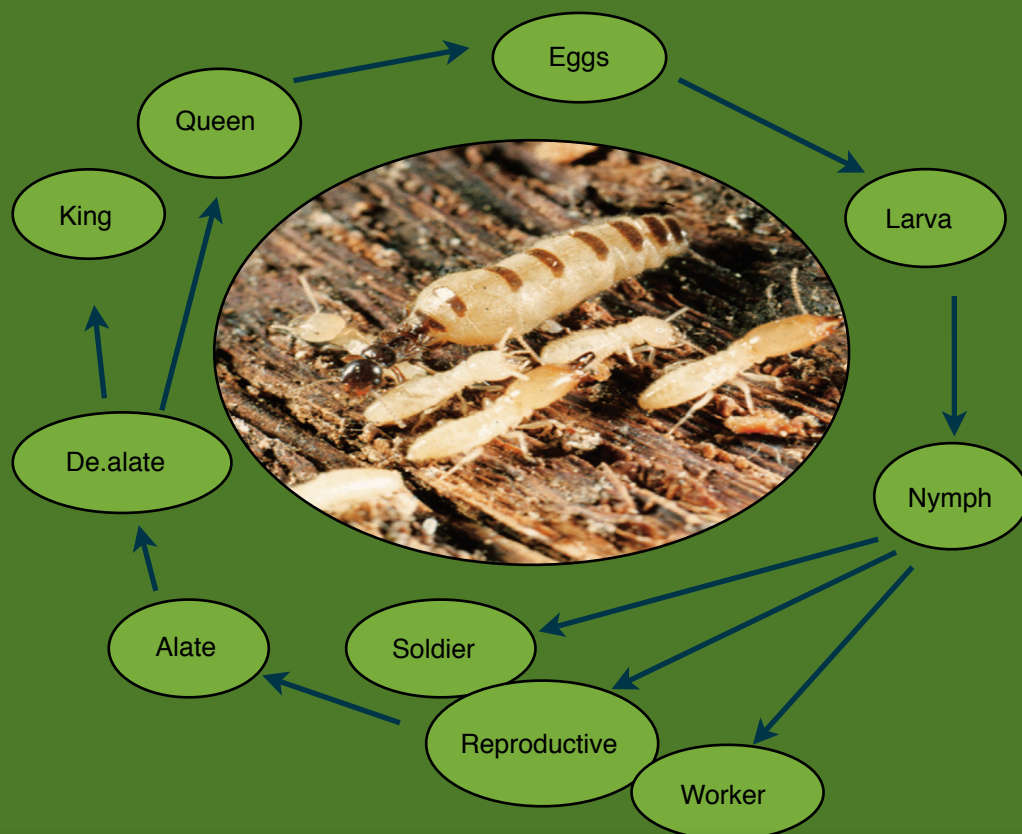
A.T.M BARRIER SYSTEM CERTIFICATION

The Anti-Termite Metallic Barrier System is designed as a permanent physical and continuous barrier to ensure any termite colony attacking the building cannot proceed through gaps in the concrete or masonry but must expose their access via tunnels in order to get over or past the ATM Barrier. Yearly inspection is required.



Some facts about subterranean termites...

- They have existed for over 55 million years
- Termites are social insects that live in family groups called colonies
- The life span of the worker termite is only one to two years
- The life span of the soldier termite is only one to two years
- The queen termite will lay eggs within a few days or weeks after the initial mating
- A large queen termite may lay more than 1000 eggs per day
- The queen termite can grow to about 30mm in length
- The life span of the queen termite can be as long as 50 years
- It takes about 4 to 5 years to establish a colony which is a significant threat
- They live in moist soil from which they draw their constant need for moisture
- They prefer controlled climate of about 80% humidity and 25 degree celsius
- They travel between ground structure via mud tubes called exploratory tubes
- Whenever they leave the soil they build mud tunnels and they block up gaps, splits and crevices with the same mud to protect themselves from ants and humidity loss



Termite Life Cycle and Caste System

ASTRID ONE PTE LTD would like to give credit and special thanks to the following parties:

1. Ion Staunton, Termite Specialist and Consultant Entomologist.
2. Virginia Cooperative Extension, Virginia Tech, and Virginia State University.
3. Dini M. Miller, Associate Professor and Extension Specialist, Entomology, Virginia Tech.

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