

PRMPM42A Install physical termite barriers

Unit descriptor

This unit of competency covers the skills and knowledge required to install physical termite barriers, including barriers that combine physical and chemical characteristics. The unit applies to the application of physical termite barriers in both pre- and post-construction and can be applied to domestic, commercial and industrial construction.

The unit requires the ability to assess the techniques and method of construction and the techniques required to prevent termites gaining concealed access to the completed construction. It requires a thorough understanding of client requirements and the application of company information in order to perform the task. The selection of appropriate equipment, materials and methods is essential for performing the task safely and efficiently. These work functions would be carried out within company guidelines and in accordance with statutory requirements.

ELEMENT	PERFORMANCE CRITERIA
1 Plan for construction process	<ul style="list-style-type: none">1.1 Identify <i>installation</i> requirements from <i>work order</i>, drawings and supervisor's instructions1.2 Review the plan and select appropriate <i>installation</i> specification(s) to prevent concealed termite access in accordance with <i>work order</i> and <i>legislative, occupational health and safety (OHS)</i> and <i>company requirements</i>1.3 Advise <i>client</i> of <i>installation</i> procedure in accordance with <i>work order</i> and <i>company requirements</i>1.4 Recognise quality assurance requirements and adhere to <i>company requirements</i>1.5 Select and locate <i>materials</i> in readiness for <i>installation</i> in accordance with <i>manufacturers' specifications</i> and <i>OHS</i> and <i>company requirements</i>1.6 Select <i>equipment and tools</i> consistent with <i>installation</i> requirements, check for serviceability and report any faults to <i>appropriate persons</i> in accordance with <i>manufacturers' specifications</i> and <i>OHS</i> and <i>company requirements</i>
2 Access and assess site	<ul style="list-style-type: none">2.1 Access <i>work site</i> in accordance with <i>client</i> and <i>company requirements</i>2.2 Review <i>installation</i> method in accordance with <i>work order</i> and <i>company requirements</i> and clarify any issues with <i>appropriate person(s)</i>

PRMPM42A Install physical termite barriers

ELEMENT

PERFORMANCE CRITERIA

- | | |
|---------------------------------|--|
| | 2.3 Check <i>previous trades work</i> for possible effect on proposed <i>installation</i> of the <i>termite barrier</i> in accordance with <i>company requirements</i> |
| | 2.4 Assess <i>work site</i> for access and safety issues in accordance with <i>legislative, OHS</i> and <i>company requirements</i> |
| 3 Prepare site for installation | 3.1 Identify <i>hazards</i> and control risks at the <i>work site</i> in accordance with <i>legislative, OHS, public health and safety</i> and <i>company requirements</i> |
| | 3.2 Determine the usage pattern of the <i>work site</i> to ensure safety of all <i>personnel</i> and the efficient use of <i>equipment and tools</i> |
| | 3.3 Identify any factors affecting the completion of the <i>work order</i> and advise the <i>appropriate person(s)</i> promptly |
| 4 Prepare equipment | 4.1 Select and use suitable <i>personal protective equipment (PPE)</i> in accordance with <i>manufacturers' specifications</i> and <i>legislative, OHS</i> and <i>company requirements</i> |
| | 4.2 Select and check operational effectiveness of <i>equipment and tools</i> in accordance with <i>manufacturers' specifications</i> and <i>legislative, OHS</i> and <i>company requirements</i> |
| | 4.3 Set up <i>equipment and tools</i> in accordance with <i>manufacturers' specifications</i> and <i>legislative, OHS</i> and <i>company requirements</i> |
| | 4.4 Adjust <i>equipment and tools</i> to suit operator's requirements in accordance with <i>manufacturers' specifications</i> |

PRMPM42A Install physical termite barriers

ELEMENT

5 Install physical barrier

PERFORMANCE CRITERIA

5.1 Install *termite barrier* to all concealed *termite access points* in accordance with *work order, manufacturers' specifications* and *company requirements*

5.2 Check *installation* of *termite barrier* in accordance with *company requirements*

5.3 Conduct all work using safe operating practices in accordance with *manufacturers' specifications* and *environmental, legislative, OHS* and *company requirements*

6 Restore work site and complete documentation

6.1 Collect and remove *equipment and tools* and *waste* in accordance with *work order, manufacturers' specifications* and *environmental, legislative, OHS* and *company requirements*

6.2 Restore the *work site* in accordance with *work order, client requests* and *company requirements*

6.3 Clean *equipment and tools* and *PPE* in accordance with *manufacturers' specifications* and *environmental, OHS* and *company requirements*

6.4 Safety-check *equipment and tools* and *PPE* and record any maintenance required in accordance with *manufacturers' specifications* and *OHS* and *company requirements*

6.5 Store cleaned *equipment and tools* and *PPE* in accordance with *company requirements*

6.6 Dispose of all collected *waste* in accordance with *work order, manufacturers' specifications* and *environmental, legislative, OHS* and *company requirements*

6.7 Update *client records* and complete and distribute *regulatory and company documentation* in accordance with *legislative* and *company requirements*

RANGE STATEMENT

The range statement links the required knowledge and organisational and technical requirements to the workplace context. It describes any contextual variables that will be used or encountered when applying the competency in work situations. It allows

*Extracted as a service to the Pest Management Industry, from
PRM04 Asset Maintenance Training Package developed by ANTA.*

PRMPM42A Install physical termite barriers

for different work practices and work and knowledge requirements as well as for differences between organisations and workplaces. The following variables are listed alphabetically and may be present for this particular unit.

Appropriate person(s) may include:

- clients
- colleagues
- managers
- person(s) in control of work site(s)
- supervisors.

Clients may include:

- architect
- body corporate
- builder
- building supervisor
- company/organisation
- developer
- maintenance manager
- owner
- person in control of work processes
- property agent/manager
- tenant.

Client records may be a computer or manual file and include:

- contact details
- customer files and databases
- details of previous installation(s)
- details of previous quotations
- government orders
- specific details about the site, termite barrier installation details, etc.

Company requirements may include:

- access and equity policy, principles and practice
- business and performance plans
- client communication procedures
- client confidentiality procedures
- client service standards
- communication channels and reporting procedures
- company goals, objectives, plans, systems and processes
- company issued identification badge/card/pass

PRMPM42A Install physical termite barriers

- company policy and procedures
- defined resource parameters
- dress and presentation requirements
- duty of care, code of conduct, code of ethics
- emergency response and evacuation procedures
- employer and employee rights and responsibilities
- establishing operator identity with client
- maintenance procedures for equipment and PPE
- OHS control procedures (e.g. health and safety plans, job plans, job safety analysis, risk assessments, safe operating practices/procedures, safe work instructions, work method statements, safe system of work statements)
- OHS policies and procedures
- personnel practices and guidelines
- policies and procedures relating to own role, responsibility and delegation
- quality and continuous improvement processes and standards
- records and information systems and processes
- training (induction and refresher) materials
- work site access security clearance procedures.

Environmental requirements may include:

- clean-up, containment and/or isolation
- company policies and guidelines
- environmental protection agency and government departments (e.g. agriculture, emergency services and national parks and wildlife) regulations and guidelines
- hazardous materials handling
- local government regulations/bylaws.

Equipment and tools may include:

- adhesive applicators
- angle grinder
- bolster
- brushes and brooms
- drills (power and rechargeable)
- generators
- hammer
- hoses
- knives
- measuring tape/rule
- power leads
- roller

PRMPM42A Install physical termite barriers

- safety switch equipment
- screwdriver
- sheet metal or utility cutters or snips
- shovel.

Hazards may include:

- allergic reactions to chemicals, pests and/or equipment, including latex allergies
- blood and blood-stained products
- confined/restricted spaces
- contaminated clothing, materials and/or equipment
- damaged or inappropriate equipment
- dust and fibres
- electrical hazards arising from cables, electrical fittings (switches and lights) and untested electrical equipment
- environmental impact
- fatigue
- fire
- gas
- heights
- inadequate lighting and ventilation
- manual handling techniques including awkward and repetitive postures
- mobile/vehicle hazards around plant and vehicles
- moving and/or unguarded parts
- noise
- occupational violence and bullying
- poor personal hygiene practices
- spill, splash and spray
- underfoot conditions e.g. slippery, uneven and rough surfaces
- work environment temperature extremes
- work in isolated/remote environments.

Installation may include:

- identifiable areas that require protection
- method of combining specifications and work order requirements
- procedures from company training and reference manuals
- specifications from company manuals
- techniques conveyed during training courses.

Legislative requirements may include:

- Australian Standards, quality assurance and certification requirements

PRMPM42A Install physical termite barriers

- award and enterprise agreements
- industry advisory standards and codes
- relevant Commonwealth/state/territory legislation and local government regulations which affect company operation:
 - anti-discrimination and diversity
 - building codes
 - chemical controls
 - consumer protection legislation
 - environmental protection issues
 - equal employment opportunity
 - freedom of information
 - industrial relations
 - installers' licence requirements
 - motor and commercial vehicle(s) transportation
 - motor licence and endorsement regulations
 - OHS Acts and regulations
 - privacy
 - public health
 - trade practices
 - workplace consultative arrangements.

Manufacturers' specifications may include:

- emergency response resources
- equipment operational manuals
- government publications
- instructional guides
- material safety data sheets (MSDS)
- other resources supplied by the manufacturer (such as laminated cards, notices and wall posters) in work sites or vehicles
- product labels
- safety instructions pre-printed on equipment.

Materials may include:

- adhesives
- equipment and tools
- termite barrier components.

Occupational health and safety* (OHS) requirements may relate to:

- allergic reactions (contact dermatitis, etc)
- communication devices for remote and isolated locations e.g. mobile phone, two-way radio, etc

*Extracted as a service to the Pest Management Industry, from
PRM04 Asset Maintenance Training Package developed by ANTA.*

PRMPM42A Install physical termite barriers

- emergency procedures for eye and skin contact, inhalation and ingestion of toxic substances
 - hazard identification and risk assessment mechanisms
 - hierarchy of hazard control procedures
 - industry advisory standards
 - information provided by national registration authority and state government authorities e.g. agriculture, environment protection, health and primary industry
 - injury and dangerous occurrence reporting
 - national and industry codes of practice
 - OHS control procedures (e.g. health and safety plans, job plans, job safety analysis, risk assessments, safe operating practices/procedures, safe work instructions, work method statements, safe system of work statements)
 - safety training, induction and refresher training
 - selection and use of PPE and clothing appropriate to the hazard
 - up-to-date electrical test and tag compliance
 - use of chemicals in accordance with MSDS
 - use of epoxies or other bonding agents in accordance with MSDS
 - use of residual current devices
 - use, storage and maintenance of equipment in accordance with manufacturers' specifications and equipment operating manuals.
- * Also known as workplace health and safety

Personal protective equipment (PPE) may include:

- communication equipment
- drinking fluids
- dust mask
- ear protection
- eyewashes
- face shield
- First Aid kit appropriate to the task and location
- gloves
- hair nets
- hard hats
- long pants
- noise protection
- overalls, coveralls or other protective clothing
- safety boots, shoes
- safety glasses
- safety harness

PRMPM42A Install physical termite barriers

- soap and towel
- sunscreen
- washable sun hats.

Personnel may include:

- client's staff
- fellow workers (colleagues)
- general public including bystanders
- venue/facility/building/shopping centre staff/management.

Previous trades work may include:

- blocklaying
- bricklaying
- carpentry
- concreting
- electrical
- plumbing.

Public health and safety may affect:

- animals
- client staff
- company staff
- customers (present and future)
- distributors
- facility users
- general public
- inspectors
- neighbours
- onlookers
- retailers
- suppliers
- trade and service providers.

Regulatory and company documentation may include:

- accident and incident reports
- certificates and notices
- customer files and databases
- invoices
- job sheets
- logbooks
- OHS control procedures, forms and documentation

*Extracted as a service to the Pest Management Industry, from
PRM04 Asset Maintenance Training Package developed by ANTA.*

PRMPM42A Install physical termite barriers

- receipts
- risk assessments
- work diaries.

Termite access points may include:

- concrete shrinkage joint around slab penetrations
- construction joints
- perimeter cavities
- piers and sub-floor walls in suspended floor construction
- retainer walls.

Termite barrier may include:

- bonding materials to adhere the proprietary products to the substrate
- proprietary product used to provide a barrier at the termite access point(s)
- proprietary products used in combination to provide a comprehensive barrier in accordance with regulatory requirements
- visual barriers formed as a result of construction techniques such as exposed concrete slab edges.

Waste may be solid or liquid and include:

- contaminated/hazardous biological waste
- used containers
- used/contaminated personal protective equipment.

Work order information may include:

- access to work site including timing of access and access and egress points
- budget allocations
- completion times/dates
- job requirements and tasks
- legislative and local government requirements
- OHS requirements and emergency response procedures
- resource requirements – equipment and materials
- specific client requirements e.g. noise control, sensitivity of occupants to pests and/or management, relationships with other customer activities, dress and presentation requirements
- use of signage and barriers
- work schedules
- work site contact person(s)
- working in isolated and remote locations.

Work sites may include:

- a building

PRMPM42A Install physical termite barriers

- commercial construction area
- domestic construction area
- industrial construction area
- vacant land prepared for construction.

EVIDENCE GUIDE

The evidence guide identifies the requirements to be demonstrated to confirm competence for this unit. Assessment must confirm sufficient ability to use appropriate skills and knowledge to install efficacious physical termite barriers safely and efficiently. Assessment of performance should be over a period of time covering all categories within the range statement that are applicable in the working environment.

Critical aspects of competency

- Accurate identification of the hazards and risks associated with the installation.
- Carry out correct procedures prior to and during application of the installation.
- Compliance with company and legislative/regulatory requirements.
- Compliance with organisational policies and procedures including quality assurance requirements
- Demonstrate compliance with OHS requirements.
- Demonstrate compliance with product installation specifications.
- Demonstrate safe and effective operational use of hand and power tools, plant and equipment.
- Interactively communicate to support team and ensure safe and effective workplace operations.
- Outcomes achieved in relation to work order.

Knowledge needed to achieve the performance criteria

Knowledge and understanding are essential to apply this unit in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this unit are listed below.

- Subterranean termite ecology as related to termite barrier installation.
- Construction systems and techniques (e.g. concrete slabs and footings).
- Installation equipment.
- Applicable legislation, regulations, codes of practice and industry advisory standards.
- Product knowledge including manufacturers' specifications for equipment and products being used.
- Relevant Australian standards.
- Relevant licence requirements.
- OHS legislation and procedures.
- Emergency response procedures.
- Hazardous substances in the workplace.

PRMPM42A Install physical termite barriers

- Company management structure and reporting channels.
- Work order specifications.

Specific skills needed to achieve the performance criteria

To achieve the performance criteria, some complementary skills are required. These are:

- hazard identification and risk control
- applying correct manual handling techniques
- reading, interpreting and comprehending directions and safety instructions in equipment manuals and on MSDS and labels
- attention to detail in observing site conditions
- performing the mathematical calculations required for measuring lengths, areas and volumes
- communicating clearly and concisely using written and verbal modes
- requesting advice or further information
- seeking and receiving feedback
- working on an individual basis and within a team
- planning and organising work
- sourcing, organising and recording information
- customer service.

Other units of competency that could be assessed with this unit

Competence in this unit may be assessed in conjunction with:

- PRMPM02B Assess pest management options
- PRMPM05B Modify environment to manage pests
- PRMPM07B Implement a pest management plan
- PRMPM43A Prepare and present a pest management submission including quotation.

Resources required to assess this unit

The following resources should be available:

- access to a suitable work site or venue
- access to suitable equipment and materials
- access to personal protective equipment
- access to equipment operating manuals and MSDS
- access to company procedures and manufacturers' specifications and material safety data sheets
- access to plain English version of relevant statutes and procedures
- access to relevant databases and information
- assessment instruments, including personal planner and assessment record book.



PRMPM42A Install physical termite barriers

Gaining evidence to assess this unit

For valid and reliable assessment of this unit the competency should be demonstrated in the field by reviewing the outcome of several (more than one) complete installations under normal industry operating conditions, or if this is not practicable, in a simulated work environment.

The competency should be demonstrated over a period of time and observed by the assessor.

The competency is to be demonstrated in a range of situations, which may include customer/workplace interruptions and involvement in related activities normally experienced in the workplace.

Supplementary evidence may be obtained from relevant written correspondence with existing and potential clients. This information must be relevant by showing evidence of the candidate's work performance.

Other forms of gaining evidence such as through oral questioning and hypothetical situations (scenarios) may be used to supplement (but not substitute for) the practical demonstration of competence.

PRMPM42A Install physical termite barriers

Key competency levels

There are a number of processes that are learnt throughout work and life which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the key competencies, although others may be added.

Information below highlights how these processes are applied in this competency standard.

- | | | |
|------------------------------|---|---|
| 1 Perform the process | 2 Perform and administer the process | 3 Perform, administer and design the process |
|------------------------------|---|---|

How can communication of ideas and information be applied?	2	Communicate with management and client to ensure all information gathered is appropriate to work order outcomes.
How can information be collected, analysed and organised ?	2	Review data from previous pest inspection reports and site assessment and present findings in a pest management plan.
How are activities planned and organised ?	2	Plan and organise activities to ensure logical sequence of work is performed.
How can teamwork be applied?	2	Communicate work order to team members in accordance with OHS, legislative and regulatory requirements and company policy.
How can the use of mathematical ideas and techniques be applied?	2	Calculate the equipment and material resources necessary to meet work order requirements.
How can problem-solving skills be applied?	2	Assess and analyse in conjunction with management and client possible problems which may arise.
How can the use of technology be applied?	2	Record data about resources used for each work order for reference in developing future pest management plans.