



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **CPPCCL2006A Identify carpet fibre and construction**

**Release: 1**

## **CPPCCL2006A Identify carpet fibre and construction**

### **Modification History**

Revised unit

Unit updated and equivalent to PRMCC06A Identify carpet fibre and construction

### **Unit Descriptor**

This unit of competency specifies the outcomes required to identify carpet fibre and construction. The unit requires the ability to identify carpet construction, including the backing materials, classify the carpet fibre and assess the installation method. Correct identification of these elements is an essential activity prior to undertaking cleaning, maintenance or restorative work on carpet, rugs or related soft floor coverings.

### **Application of the Unit**

This unit of competency supports employees without managerial or supervisory responsibilities. Performance would usually be carried out under routine supervision and within company guidelines.

Application of this unit requires attainment of a wide range of underpinning knowledge, as well as completion of a number of basic testing procedures.

### **Licensing/Regulatory Information**

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

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|---|-------------------------------|---|
| 1 | Identify carpet construction. | <p>1.1 <b><i>Types of yarn and fibre and carpet construction method</i></b> are identified by visually checking <b><i>carpet</i></b> according to <b><i>company requirements</i></b>.</p> <p>1.2 <b><i>Type of pile or tuft</i></b> is established by observation and touch according to <b><i>manufacturer specifications</i></b> and company requirements.</p> <p>1.3 <b><i>Backing materials</i></b> are inspected and identified by observation according to manufacturer specifications, and company and <b><i>occupational health and safety (OHS) requirements</i></b>.</p> <p>1.4 Carpet construction method is confirmed with <b><i>appropriate persons</i></b> according to company requirements.</p> |
| 2 | Classify carpet fibre.        | <p>2.1 Sample of carpet fibre is obtained and <b><i>tests</i></b> are performed to identify fibre type according to OHS and company requirements.</p> <p>2.2 Fibre is inspected, according to manufacturer specifications and company requirements, to determine possible <b><i>dye methods</i></b> used during manufacture.</p> <p>2.3 Fibre classification is confirmed with appropriate persons according to company requirements.</p> <p>2.4 <b><i>Pre-existing conditions</i></b> are identified and reported to the appropriate persons according to <b><i>work order</i></b> and company requirements.</p>   |

- 3 Identify installation method.
  - 3.1 ***Installation method*** and ***underlay*** used for initial installation are inspected and identified according to work order, and OHS and company requirements.
  - 3.2 Installation method is confirmed with appropriate persons according to company requirements.

## Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

### Required skills

- analytical skills to:
  - classify:
    - yarn and fibres
    - pile and tuft
    - backing materials
  - identify:
    - carpet construction methods
    - installation methods
    - pre-existing conditions
- interpersonal skills to relate to people from a range of backgrounds
- language and literacy skills to:
  - communicate clearly and concisely verbally and in writing
  - read and interpret directions and safety instructions, including:
    - chemical labels
    - equipment manuals
    - material safety data sheets (MSDS)
  - request advice or further information
  - seek and receive feedback
  - source, organise and record information
- self-management skills to work alone and in a team
- skills to work safely when:
  - handling and disposing of chemicals
  - identifying hazards and controlling risks
  - manual handling
  - testing fibres

### Required knowledge

- carpet characteristics, including:
  - construction methods, including backing and dyeing
  - features of fibres
- carpet installation methods
- company management structure and procedures, including:
  - biological and viral control

- emergency response and evacuation procedures
- environmental protection procedures
- injury, dangerous occurrence and incident reporting
- OHS procedures
- quality systems
- legislation, regulations, codes of practice and industry advisory standards that apply to own work practices
- safe work practices for using chemicals and equipment, including personal protective equipment (PPE)
- testing methods

## Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

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| Overview of assessment   | This unit of competency could be assessed by observing practical demonstration of identification of fibre types and construction methods of at least two different types of carpet.  |
| Critical aspects for assessment and evidence required to demonstrate competency in this unit | <p>A person who demonstrates competency in this unit must be able to provide evidence of the required skills and knowledge specified in this unit.</p> <p>In particular the person should demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>analyse data gathered during visual and tactile inspection</li> <li>identify type of yarns, fibres, construction methods, dyes and backing used in carpet making</li> <li>identify installation methods used during carpet installation</li> <li>comply with company and legislative requirements</li> <li>achieve outcomes in relation to customer work order and company requirements.</li> </ul> |
| Context of and specific resources for assessment   | <p>Assessment of essential underpinning knowledge may be conducted in an off-site context and must comply with relevant regulatory or Australian standards requirements.</p> <p>Resource implications for assessment include access to:</p> <ul style="list-style-type: none"> <li>range of samples of carpet materials</li> <li>suitable work site or venue with carpet</li> <li>PPE</li> <li>suitable equipment and chemicals</li> <li>assessment instruments, including personal planner and assessment record book.</li> </ul>   |
| Method of assessment   | <p>Assessment methods must:</p> <ul style="list-style-type: none"> <li>satisfy the endorsed Assessment Guidelines of the Property Services Training Package</li> <li>include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application</li> <li>reinforce the integration of employability skills with workplace tasks and job roles</li> <li>confirm that competency is verified and able to be transferred to other circumstances and environments.</li> </ul>                            |
| Guidance information for   | Reasonable adjustments for people with disabilities must be  |

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| assessment | <p>made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.</p> <p>Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.</p> <p>This unit could be assessed on its own or in combination with other units relevant to the job function.</p> |
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## Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

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| <b><i>Yarn type</i></b> may include:                              | <ul style="list-style-type: none"> <li>• heat set</li> <li>• plied</li> <li>• single</li> <li>• textured</li> <li>• twist.</li> </ul>   |
| <b><i>Fibre type</i></b> may include:                             | <ul style="list-style-type: none"> <li>• continuous filament</li> <li>• staple yarn.</li> </ul>   |
| <b><i>Carpet construction method</i></b> may include:             | <ul style="list-style-type: none"> <li>• flocked</li> <li>• fusion bonded</li> <li>• needle punched</li> <li>• tufted</li> <li>• woven.</li> </ul>  |
| <b><i>Carpet</i></b> may include carpet, mats and rugs made from: | <ul style="list-style-type: none"> <li>• mixed blends</li> <li>• natural fibres, such as: <ul style="list-style-type: none"> <li>• organic (plant) fibres, such as cotton and sisal</li> <li>• silk</li> <li>• wool</li> </ul> </li> <li>• synthetic fibres, such as: <ul style="list-style-type: none"> <li>• acrylic</li> <li>• nylon</li> <li>• polyester</li> <li>• polypropylene.</li> </ul> </li> </ul> |



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| <p><b><i>Company requirements</i></b> may include:</p>        | <ul style="list-style-type: none"> <li>• business and performance plans</li> <li>• client communication procedures</li> <li>• client confidentiality procedures</li> <li>• client service standards</li> <li>• communication channels and reporting procedures</li> <li>• company goals, objectives, plans, systems and processes</li> <li>• company issued identification badge, card or pass</li> <li>• company policies and procedures, including: <ul style="list-style-type: none"> <li>• access and equity policy, principles and practice</li> <li>• OHS policies and procedures, including control procedures</li> <li>• maintenance procedures for equipment and PPE</li> <li>• those relating to own role, responsibility and delegation</li> <li>• work site access security clearance procedures</li> </ul> </li> <li>• company service standards</li> <li>• dress and presentation requirements</li> <li>• duty of care, code of conduct and code of ethics</li> <li>• emergency response and evacuation procedures</li> <li>• employer and employee rights and responsibilities</li> <li>• environmental protection requirements</li> <li>• personnel practices and guidelines</li> <li>• quality and continuous improvement processes and standards</li> <li>• records and information systems and processes</li> <li>• training materials (induction, refresher and new skills)</li> <li>• use of contractors.</li> </ul> |
| <p><b><i>Pile or tuft type</i></b> may include:</p>           | <ul style="list-style-type: none"> <li>• cut</li> <li>• cut and loop</li> <li>• loop</li> <li>• shag.</li> </ul>  |
| <p><b><i>Manufacturer specifications</i></b> may include:</p> | <ul style="list-style-type: none"> <li>• equipment operating manuals</li> <li>• instructional guides</li> <li>• MSDS</li> <li>• other resources supplied by the manufacturer, such as: <ul style="list-style-type: none"> <li>• laminated cards</li> <li>• notices</li> <li>• wall posters</li> </ul> </li> <li>• product labels</li> <li>• safety instructions pre-printed on equipment.</li> </ul>  |
| <p><b><i>Backing materials</i></b> may include:</p>           | <ul style="list-style-type: none"> <li>• cotton</li> <li>• jute</li> <li>• latex</li> <li>• polyester</li> </ul>  |

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|   | <ul style="list-style-type: none"> <li>• polypropylene</li> <li>• PVC.</li> </ul>   |
| <p><b><i>Occupational health and safety</i></b> (also known as workplace health and safety) requirements may relate to:</p> | <ul style="list-style-type: none"> <li>• allergic reactions, such as contact dermatitis</li> <li>• communication devices for remote and isolated locations, such as: <ul style="list-style-type: none"> <li>• mobile phone</li> <li>• two-way radio</li> </ul> </li> <li>• dermatotoxicological control and prevention measures</li> <li>• emergency procedures for eye and skin contact, inhalation and ingestion of toxic substances</li> <li>• hazard identification and risk assessment mechanisms</li> <li>• health surveillance and monitoring, such as regular blood testing</li> <li>• hierarchy of hazard control procedures</li> <li>• injury and dangerous occurrence reporting</li> <li>• maintaining clear access ways</li> <li>• national and industry standards and codes of practice</li> <li>• OHS control procedures, such as: <ul style="list-style-type: none"> <li>• health and safety plans</li> <li>• job plans</li> <li>• job safety analyses</li> <li>• risk assessments</li> <li>• safe operating practices and procedures</li> <li>• safe system of work statements</li> <li>• safe work instructions</li> <li>• work method statements</li> </ul> </li> <li>• chemical routes of entry</li> <li>• potential symptoms of exposure to chemicals</li> <li>• safe work practices for equipment, PPE and chemical storage, including interpretation of: <ul style="list-style-type: none"> <li>• MSDS</li> <li>• hazardous substance information, such as long latency periods</li> </ul> </li> <li>• safety, induction and refresher training</li> <li>• selection and use of PPE and clothing appropriate to the hazard</li> <li>• ultraviolet light</li> <li>• up-to-date electrical test and tag compliance</li> <li>• use of chemicals according to MSDS</li> <li>• use of residual current devices</li> <li>• use, storage and maintenance of equipment according to manufacturer specifications and equipment operating manuals.</li> </ul> |
| <p><b><i>Appropriate persons</i></b> may</p>  | <ul style="list-style-type: none"> <li>• clients</li> </ul>   |

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| include:                                    | <ul style="list-style-type: none"> <li>• colleagues</li> <li>• managers</li> <li>• persons in control of work sites</li> <li>• supervisors.</li> </ul>   |
| <b>Tests</b> may include:                   | <ul style="list-style-type: none"> <li>• burn test</li> <li>• chemical test</li> <li>• sink and float test.</li> </ul>   |
| <b>Dye methods</b> may include:             | <ul style="list-style-type: none"> <li>• acid</li> <li>• beck</li> <li>• continuous</li> <li>• differential</li> <li>• print</li> <li>• solution</li> <li>• space</li> <li>• spray</li> <li>• stock</li> <li>• yarn.</li> </ul>  |
| <b>Pre-existing conditions</b> may include: | <ul style="list-style-type: none"> <li>• abrading</li> <li>• corn rowing</li> <li>• crimp loss</li> <li>• crocking</li> <li>• delamination</li> <li>• dye migration</li> <li>• fading</li> <li>• fume fading</li> <li>• pile reversal</li> <li>• pooling</li> <li>• shrinkage</li> <li>• watermark</li> <li>• wear.</li> </ul>   |
| <b>Work order</b> information may include:  | <ul style="list-style-type: none"> <li>• access to work site, including: <ul style="list-style-type: none"> <li>• access and egress points</li> <li>• timing of access</li> </ul> </li> <li>• budget allocations</li> <li>• completion times and dates</li> <li>• human resource requirements to complete the work tasks</li> <li>• job requirements and tasks</li> <li>• legislative and local government requirements, including environmental protection requirements</li> <li>• OHS requirements and emergency response procedures</li> <li>• requirements for working in isolated and remote locations</li> </ul> |

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|  | <ul style="list-style-type: none"> <li>• resource requirements, such as equipment and chemicals</li> <li>• specific client requirements, such as: <ul style="list-style-type: none"> <li>• dress and presentation requirements</li> <li>• relationships with other activities</li> </ul> </li> <li>• use of signage and barriers</li> <li>• work schedules</li> <li>• work site contact persons.</li> </ul> |
| <i>Installation methods</i> may include: | <ul style="list-style-type: none"> <li>• direct stick</li> <li>• double bond</li> <li>• loose lay</li> <li>• stretch in</li> <li>• tackless carpet gripper</li> <li>• turn and tack</li> <li>• two-sided tape.</li> </ul>   |
| <i>Underlay</i> may include:             | <ul style="list-style-type: none"> <li>• crumble foam</li> <li>• felt</li> <li>• foam</li> <li>• sandwich</li> <li>• urethane</li> <li>• waffle rubber.</li> </ul>  |

## Unit Sector(s)

Carpet cleaning

## Custom Content Section

Not applicable.