



**Australian Government**

**Assessment Requirements for MEM08004  
Finish work using wet, dry and vapour  
deposition methods**

**Release: 1**

# Assessment Requirements for MEM08004 Finish work using wet, dry and vapour deposition methods

## Modification History

Release 1. Supersedes and is equivalent to MEM08004B Finish work using wet, dry and vapour deposition methods

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying components for coating, checking their condition and suitability for coating to accurately determine the process and materials required
- preparing and locating components for coating
- calculating surface area of components to be coated to determine the required coating quantities
- setting up and operating coating equipment, coating products and curing the coating
- checking that the thickness and colour meets specifications.

## Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- coating work and the correct process to be used for given components
- coating specifications
- appropriate type of racking for the coating process and reasons for selecting the chosen rack type
- procedures for racking components to be coated
- source of data on mixing ratios for wet coatings to determine mixing ratios for given tasks
- function of thinners as applied to the application of wet coatings
- procedures to be followed when mixing wet coatings
- calculation techniques to determine the surface area to be coated and the coverage rate of the coating material to be applied
- procedures for estimating quantities of coating materials
- types of equipment used for a variety of coating processes and reasons for selecting the chosen equipment for given coating tasks
- operating procedures applicable to the selected coating equipment

- coating and curing techniques and reasons for selecting the chosen coating and curing techniques
- monitoring coating procedures to be followed
- examples of coating defects and their causes
- procedures for rectifying and/or reporting coating defects
- coating thickness and colour to be achieved and the means of checking this including the frequency of checks to be undertaken.

## Assessment Conditions

- Assessors must:
  - have vocational competency in finishing work using wet, dry and vapour deposition methods at least to the level being assessed with relevant industry knowledge and experience
  - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015 or its replacement* and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>