



Australian Government

Assessment Requirements for MEM08005 Prepare and produce specialised coatings

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM08005B Prepare and produce specialised coatings

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
- using and/or making jigs and shields and masking up for a variety of work pieces prior to application of specialised coatings
- setting up auxiliary anodes and shields as necessary for the coating application
- calculating coating parameters and pre-treating and applying coatings to meet 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)
- reasons for pre-electroplating and post-electroplating treatment of surfaces
- processes and techniques for masking work being electroplated and the range of materials used for masking purposes
- procedures for securing the masking
- procedures for mounting/setting up auxiliary electrodes and shields and reasons for using them
- electrode position of 'difficult' metals such as iron and certain alloys
- specifications and procedures of jigs and shields to be manufactured
- procedures and formulae for calculating operating times, currents and voltages
- specifications of surface finishes
- procedures and specifications for pre-treating specialised coating work and for treating the work after electroplating.

Assessment Conditions

- Assessors must:

- have vocational competency in preparing and producing specialised coatings 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>