



Australian Government

Assessment Requirements for MEM08014 Apply protective coatings (basic)

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM08014B Apply protective coatings (basic)

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 and interpreting specifications, supplier information, product details, Australian and international standards, regulatory, legislative requirements and other applicable reference documents in applying protective coatings
- determining the procedures, equipment and processes for applying protective coatings to work
- setting up, maintaining and using personal protective equipment (PPE) suitable for the coating work to be undertaken
- determining the condition and treatment required for the surface/s to be protective coated and masking up, as required
- setting up, operating, cleaning and maintaining coating equipment safely and effectively
- selecting, handling and using protective coating materials safely and in required quantities
- checking surface coating thickness and coverage to ensure it meets specification and rectifying any faults.

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) and use of appropriate supports
- relevant information on purposes, use and application of protective coating equipment and materials
- safety issues, adequate precautions and awareness of other site factors that could be affected by the work
- what constitutes deviation from a specified surface finish/condition and standard workplace procedures for identifying unsuitable work items
- method of locating areas to be protected from coating process and masked
- how to recognise areas subject to overspray and requiring protection

- operation and maintenance of protective coating application plant and equipment using SOPs
- requirements for completion and processing of maintenance reports
- coating work piece assembly specifications and procedures
- procedures for identifying coating types and processing solvents, including mixing and safe handling practices
- procedures for determining the wet film thickness of a coating from the specified dry film thickness using calculations and a specified formulation
- procedures for thinning coating materials for use in applying the specified film thickness coating to a substrate
- procedures to apply protective coatings to comply with an established standard
- procedures for controlling coating application and curing techniques
- procedures for disassembly, cleaning, checking and storing/protecting coating equipment
- assessing the profile of the surface finish using procedures and other relevant standards
- features and use of dry film thickness testing instruments
- surface inspection procedures, including the extent and detail of inspection as required
- requirements for completion and processing of inspection reports
- manufacturers' specifications and procedures for inspecting and maintaining personal protective equipment in the workplace
- recording and reporting procedures for defective parts.

Assessment Conditions

- Assessors must:
 - have vocational competency in applying protective coatings (basic) 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>