



Australian Government

Assessment Requirements for MEM04019 Perform refractory installation and repair

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM04019B Perform refractory installation and repair

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
- inspecting refractory by reading, interpreting and following specifications to identify specific areas for repair or replacement
- knocking out refractory by determining sequence of operations
- selecting appropriate tools and equipment to safely remove damaged material
- removing and disposing damaged material in accordance with regulatory and legislative requirements
- preparing and installing heat insulated materials used inside molten metal vessels using appropriate tools and equipment
- curing refractory to specifications using appropriate techniques, equipment and standard operating procedures.

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)
- repair or replacement requirements
- inspection techniques
- mixing, installing and curing techniques and equipment
- work health and safety (WHS) legislation and Environmental Protection Authority (EPA) regulations applying to working with refractory materials,

Assessment Conditions

- Assessors must:
 - have vocational competency in performing refractory installation and repair 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>