



**Australian Government**

# **Assessment Requirements for MEM26014 Adjust resin chemicals for current conditions**

**Release: 1**

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## **Modification History**

Release 1. Supersedes and is equivalent to MEM26014A Adjust resin chemicals for current conditions

## **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 occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications, formulas/recipes and batch sheets for adjusting resin chemicals for current conditions
- identifying variables of resin chemistry
- interpreting environmental changes that have an impact on resin chemistry
- discussing resin chemistry and adjustment limitations with suppliers
- identifying limits of resin chemistry adjustment
- selecting resin composition changes to suit conditions
- selecting the most appropriate resin composition changes that are sound and complying with product requirements
- fabricating a sample and conducting/organising relevant test and evaluating the test results and making any required changes
- fabricating the final product using adjusted composition/conditions and minimising waste in accordance with specifications
- identifying areas for improvement and taking appropriate action
- completing all documentation and reports, including items requiring further action, in accordance with SOPs.

## **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)
- summer/winter catalyst
- resin chemistry
- resin chemistry adjustment limits
- resin composition
- hazards and the hierarchy of hazard control measures
- current state/territory work health and safety (WHS) legislation, standards and codes of practice relevant to using resin chemicals

- curing/cross linking chemistry
- basic chemistry of resin manufacture
- effects of temperature (workplace and materials), humidity, air flow (wind) and concentration
- effect of adjustments in the workplace (and why)
- adjustments available from supplier
- report requirements and procedures.

## Assessment Conditions

- Assessors must:
  - have vocational competency in adjusting resin chemicals for current conditions 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>