



Australian Government

**Assessment Requirements for
PMBPROD394E Produce composites using
resin transfer moulding**

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD394 Produce composites using resin transfer moulding.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- produce composites using resin transfer moulding at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the function and principles of the operation of resin transfer moulding equipment
- resin transfer moulding manufacturing process and phases of the cycle
- characteristics of materials and their behaviour in relation to process conditions
- mechanical, hydraulic, pneumatic, electrical and electronic principles that affect machine operation
- the criteria for overall process/equipment readiness for the process or equipment being used
- typical quality standards required at each stage of production
- key variables that may affect product quality and production output, including:
 - operating temperatures
 - cycle time
 - output rate
 - surface finish and condition
 - product weight
 - thickness
 - product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- the distinguishing characteristics of causes of problems as being either based on the properties of materials or caused by process variables
- organisational procedures relevant to the work environment or job role
- hazards that may arise in the job or work environment, and:
 - their possible causes
 - potential consequences

- appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>