



Australian Government

Assessment Requirements for PMBPROD293E Create composite laminates using vacuum-assisted closed-moulding processes

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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 PMBPROD293 Operate vacuum bagging equipment.

Performance Evidence

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

- create composites laminates using vacuum-assisted closed-moulding processes at least once to meet work requirements, and including preparation of workplace production moulds, fibre preforms, prepregs, resins, additives and release agents to process specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- functions of vacuum-assisted closed-moulding equipment
- principles of operation of the equipment in use at the workplace
- polymer thermosetting resins and reinforcements typically in use
- composite laminate production workflow sequences and materials demand
- the criteria for overall process or equipment readiness for the process or equipment being used
- key variables that may impact product quality or production output, including:
 - vacuum-assisted closed-moulding equipment conditions
 - production rate
 - curing time and conditions
- typical quality standards at each stage of production
- typical process and product problems, including early warning signs, possible causes and corrective actions
- organisational procedures relevant to the work environment or job role, including procedures for the emergency shutdown of equipment
- 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>