



Australian Government

Assessment Requirements for PMBTECH407E Produce composite products using cored-laminate techniques

Release: 1

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Modification History

New unit.

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 composite products using cored-laminate techniques a least once to meet job specifications, and including:
 - development of technical/engineering drawings of products using either CAD (computer assisted design) technology or freehand sketching
 - communication of technical information verbally and in writing.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principal construction techniques and the technical advantages of each
- material properties and their suitability for use as cores (PVC rigid foams, PU foams, SAN foams, linear PVC foams, plywood, balsa and honeycomb materials)
- layered or laminate structural behaviours
- typical process and product problems, including early warning signs, possible causes and corrective actions relating to:
 - failure modes
 - structural considerations and optimisation
 - strength problems
 - core shearing
 - bending
 - cost.

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>