



Australian Government

PMBPROD280E Operate a chopper gun to lay-up composites

Release: 1

PMBPROD280E Operate a chopper gun to lay-up composites

Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD280 Operate resin-glass depositor equipment.

Application

This unit describes the applied skills and knowledge required to lay-up polymer-matrix laminates using a manual chopper gun.

This unit applies to an individual working alone or as part of a team.

The unit principally refers to an operator consistently applying introductory-level knowledge and workplace procedures to mechanical wet lay-up techniques, with operator control of the lay-up process.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – Composites

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Check work requirements	1.1 Identify requirements from job specifications 1.2 Perform pre-operational checks including checking for and acting on hazards
2. Conduct pre-startup checks	2.1 Check safety equipment and guards are in position and working according to equipment specifications 2.2 Check operation of chopper gun against equipment specifications to ensure readiness for use 2.3 Check moulds for cracks, chips, marks and cleanliness 2.4 Verify materials, including fibre preforms, resins, additives and

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	release agents, are correct against job specifications 2.5 Undertake other pre-startup checks according to equipment specifications and workplace procedures
3. Operate chopper gun equipment	3.1 Start equipment safely and correctly according to equipment instructions 3.2 Check process is operating within required limits to meet job requirements 3.3 Check output meets specifications and quality standards 3.4 Monitor and maintain supply of materials to support operation of equipment 3.5 Collect and store products and store according to job specifications 3.6 Accurately complete logs and records 3.7 Apply waste management strategies to collect and segregate scrap, trim, waste and other materials according to workplace requirements 3.8 Clean equipment and work area according to workplace procedures 3.9 Pause or stop equipment cycle in normal and abnormal circumstances according to workplace procedures
4. Respond to process control variances	4.1 Recognise and log process control variances and their causes 4.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes 4.3 Accurately maintain records and logbooks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Numeracy skills to interpret technical information.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on chopper gun operations.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to PMBPROD280 Operate resin-glass depositor equipment.

Links

Companion Volume implementation guides are found in VETNet –

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