



Australian Government

Assessment Requirements for PMBWELD309E Weld plastic using extrusion techniques

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 PMBWELD309 Weld plastic using extrusion techniques.

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:

- weld plastics using extrusion techniques at least once, to meet job specifications and:
- identify with supporting evidence each of the following materials as polyethylenes:
- high-density polyethylene (HDPE)
- low-density polyethylene (LDPE)
- polypropylene (PP)
- acrylonitrile butadiene styrene (ABS)
- high-impact polystyrene (HIPS)
- polyvinylchloride (PVC).

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the function and operating principles of electrical activated extrusion welding machines
- types of welding rods and their suitability for use with different materials and job requirements
- production workflow sequences and materials demand
- characteristics of materials and their behaviour in relation to the welding process, including:
 - high-density polyethylene (HDPE)
 - low-density polyethylene (LDPE)
 - polypropylene (PP)
 - acrylonitrile butadiene styrene (ABS)
 - high-impact polystyrene (HIPS)
 - polyvinylchloride (PVC)
- typical quality standards required at each stage of production
- key variables that may affect product quality and production output, and how to manage them
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions

- 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>