



Australian Government

**Assessment Requirements for
PMBWELD307E Install plastic pipelines
for high temperature applications**

Release: 1

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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 PMBWELD307 Install high temperature plastic pressure pipelines.

Performance Evidence

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

- install plastic pipelines for high temperature applications at least once, and adjust the process as required to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- polybutylene (PB), polypropylene (PP), cross-linked polyethylene (PEX A1/PEX), polyvinylidene fluoride (PVDF) and chlorinated polyvinyl chloride (CPVC) materials and pipeline components as described in national standards to recognise suitability for specific installation
- methods of handling, storage and transport of PB, PEX, PP, A1/PEX composites, PVDF and CPVC plastics components
- range of methods relevant to types of materials or components for:
 - mechanical jointing
 - chemical bonding
 - service connections
 - repairs
- Australian Standards relevant to the materials being used and products being made, including requirements for:
 - handling and transport of polyethylene drainage materials
 - long-term polyethylene pipe storage
 - polyethylene pipe installation
 - service connection of non-pressure polyethylene pipelines
 - repair of non-pressure polyethylene pipelines
- production workflow sequences and materials demand
- quality requirements and range of suitable tests to establish quality level of work
- key variables that may affect quality of work and how to manage them, including:
 - alignment

- materials and conditions for joint
- integrity of joint
- general conformance to specification
- organisational procedures relevant to the work environment and job role.

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>