

MAINTAIN QUALITY OF THERMOPLASTIC WELDED PRODUCTS

Duration:	2 days
Target:	Candidates competent in NQF Level 3
Prerequisite:	NQF Level 3
NQF Info:	NQF Level 4
Qualification:	Towards the National Certificate in Thermoplastic Fabrication NQF Level 4
Credits:	24
Certification:	merSETA-accredited Plastics SA Certification

Unit Standards

- Maintain the quality of welded thermoplastic products [14704]

Objective of Learning Programme

To enable learners to:

- Check the correctness and quality of workmanship of all aspects of the process including documentation, fabrication and installation

Outcomes

At the end of the learning programme, learners will be able to

- Plan the welding sequence and approve the control documentation
- Inspect and measure welds, determine acceptability and identify problems
- Inspect fabrication and installation
- Record and report inspection findings and make recommendations
- Liaise with parties involved and monitor the rectification of problems
- Request and witness pressure test for systems under pressure
- Conduct internal audits and send measuring instrument for calibration

Contents

- Plan welding, understand quality and the need for quality, work according to a standard operating procedure.
- Understand welding characteristics, identify welding faults, do a welding inspection and learn about spark-coil testing.
- Learn about the structure and mechanical properties; understand pipe bedding and backfill; do pre- and- post weld checks, identify weld defects and their causes; receive generic butt welding guidelines and butt fusion troubleshooting guidelines.
- Learn about the ISO 9001 quality system, control on non-conformance; quality control records, internal quality audit, calibration and international welding standards.

Assessment and Certification

- Workplace Experience Assignments to be submitted within two weeks following training.
- A Plastics|SA Certificate of Competence is issued to successful candidates.