

THERMOPLASTIC WELDING INSPECTION

THERMOPLASTIC
WELDING
(Non-NQF)

Duration:	4 days
Target:	For Plastics Fabrication Welding Inspectors or future inspectors who need to know more about the criteria for proper inspection of plastics fabrication welded joints.
Prerequisite:	Good Literacy and Numeracy (be able to comprehend data sheets and complete reports); experience in at least one thermoplastic welding process.
NQF Info:	Non-NQF aligned
Certification:	Plastics SA Certificate of Competence

Objectives of the Overview

- The “Thermoplastic Welding Inspection” programme (Non-NQF) provides an excellent overview for everyone in the plastics fabrication industry.
- The programme focuses on plastics as a material of choice and various fabrication methods such as butt welding, socket fusion, electro-fusion, hot air, hot air extrusion and solvent welding, with the main focus being on the visual inspection of plastics fabrication welded joints.

Outcomes

At the end of the programme, you will

- understand the properties of plastics
- be able to identify common plastics and their applications and test methods
- know different pipes and fittings and their applications
- know about the various thermoplastic welding processes
- understand the fabrication standards that are used in the fabrication industry
- do visual quality inspection on welded joints

Contents

- Introduction to plastics materials (Basic chemistry)
- Plastics materials (Identification)
- Plastics materials (Test methods)
- Pipes materials (PVC, PE-HD, and PP)
- Manufacturing and Fabrication Standards (SANS 966-1, SANS 966-2, SANS 967, SANS 791, ISO 4427, SANS 10269, SANS 10270 and SANS 6269)
- Fabrication methods (Butt welding, Socket fusion, Electro-fusion, Hot air, Hot air Extrusion and Solvent Welding)

Certification

A Plastics|SA Certificate of Competence is issued to successful candidates.