

EUSMUNC12 (SQA Unit Code - FA97 04)

Joint materials by mechanical means on Water Construction Network



Overview

This national occupational standard defines the competences required to assemble pipes and fittings, with mechanical joints, following codes of practice and specifications. Assembly methods and techniques will include cutting, threading, and mechanical jointing on metallic materials. It will also cover transition jointing between metallic and polyethylene using mechanical fittings

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Performance criteria

You must be able to:

Joint materials by assembling

- P1 work safely at all times in accordance with health, safety and environment requirements and legislation
- P2 carry out a site specific risk assessment, and review in accordance with company procedures
- P3 select and wear the designated PPE
- P4 assemble and position components using and following assembly drawing and work instructions
- P5 make sure that components to be assembled meet the manufacturer's specification and operating and performance
- P6 secure the components using connectors and securing devices in accordance with component specifications and work instructions
- P7 check to make sure that the finished assembly is complete and meets its operating requirements
- P8 carry out work in accordance with company procedures

You must be able to:

Use and communicate data and information

- P9 follow all approved procedures and practices involved in the work activity
- P10 check with designated personnel any circumstances where information appears incorrect
- P11 use organisational information systems to record and store data and information
- P12 follow all procedures where you are a lone worker

You must be able to:

Resolve problems when assembling materials

- P13 deal with problems within the limits of the responsibility of the job role
- P14 report problems outside the responsibilities of the job role to designated person

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Knowledge and understanding

You need to know and understand:

General

- K1 the main responsibilities of the employer and employee under the Health and Safety at Work Act
- K2 the health and safety guidance governing work in excavations
- K3 the safe procedures for handling hazardous materials
- K4 organisational accident recording and reporting procedures
- K5 the range and use of personal protective equipment for the work

You need to know and understand:

Joint materials

- K6 health, safety and environment legislation and environmental procedures, Codes of Practice and relevant company procedures including manual handling and use of equipment, in the context of the specific work activities including the need for hygiene and health checks
- K7 how to read and interpret basic drawings and specifications as specified in industry standards
- K8 the basic methods and techniques for assembling and jointing components
- K9 the purpose of quality control procedures
- K10 how to read and interpret quality control procedures
- K11 the handling equipment and procedures which should be used and followed for designated work activities
- K12 how to select preparation techniques for simple designated jointing activities
- K13 the tools and equipment required to carry out a specific work activity and the importance of looking after the tools and equipment
- K14 what to do in the event of a problem occurring

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Additional Information

Behaviours

Behaviour which underpins effective performance

You work in a manner in which you:

1. are vigilant to possible risks and hazards
2. treat people with civility

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