

SANITARY APPLIANCES INSTALLATION

UNIT CODE: CON/CU/PL/CR/04/5/A

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Install sanitary appliances

Duration of Unit: 100 hours

Unit Description

This unit specifies the competencies required to install sanitary appliances. It involves preparing simple working drawings, quantifying and costing sanitary appliances, fixing sanitary appliances and testing and commissioning working of sanitary appliances. It applies in the construction industry

Summary of Learning Outcomes

1. Prepare working drawings
2. Quantify sanitary appliances
3. Fix sanitary appliances
4. Test and commission working of sanitary appliances

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare working drawings	<ul style="list-style-type: none">• Terms and Concepts• Symbols• Scales• Measurements• Reference points• Simple drawings• Manufacturers specifications• Assembling of sanitary appliances	<ul style="list-style-type: none">• Observation• Written tests• Oral questioning• Interviewing• Third party reports
2. Quantify and cost sanitary appliances	<ul style="list-style-type: none">• Terms and concepts• Sanitary appliances and supplies• Types of sanitary appliances• Classify sanitary appliances• Estimation of quantities and cost	<ul style="list-style-type: none">• Observation• Written tests• Oral questioning• Interviewing• Third party reports

3. Fix sanitary appliances	<ul style="list-style-type: none"> • Terms and concepts • PPEs • Positioning of sanitary appliances • Fixing and fastening • Soundness test • Stands and supports • Housekeeping • Occupational safety and legal requirements 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports
4. Test and commission working of sanitary appliances	<ul style="list-style-type: none"> • Functionality test • Faults in sanitary appliances • Commission and hand over 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports

Suggested Methods of Instructions:

- Discussions
- Demonstration
- visiting Lecturer/Expert
- Industrial Visits

Recommended Resources

Functional Masonry Workshop with the following:

Tools and Equipment

- Spirit level
- Bolster
- Cold chisel
- Jointing knife/rod
- Stepping ladder
- Building line
- Plumb bob
- Measuring tools (Tape measure,
- Power tools
- PPE's
- Straight edge
- Mason's Square
- Pipe wrench

- Pipe bending machine
- Blow lamp
- Reamers
- Files
- Drills and drill bits
- Mason's hammer
- Chisel
- Trowels (Brick, pointing, window, corner and finishing trowels)

Supplies and Materials

- Adhesives
- Sanitary appliances
- Fasteners
- Cement
- Sand
- Pipes
- Fittings
- Caulking material