



"making your skills a priority"

Course Title: Fabricate, Erect, and Strip Formwork for Straight Walls, Columns, and Bases

SAQA ID: 14226

NQF Level: 3

Credits: 15

Course Description:

This course provides learners with the skills and knowledge to fabricate, erect, and strip formwork for construction elements such as straight walls, columns, and bases. The course covers safety requirements, techniques for building and dismantling formwork, and proper material handling. Through practical experience, learners will develop the ability to safely construct formwork to support concrete pours and meet structural specifications.

Course Objectives:

By the end of this course, learners will be able to:

- Understand the principles of formwork fabrication, erection, and stripping.
- Safely construct and dismantle formwork for straight walls, columns, and bases.
- Identify and use appropriate materials, tools, and equipment for formwork.
- Adhere to quality and safety standards in formwork operations.

Benefits of Completing this Course:

- Gain practical skills in a crucial area of construction and concrete work.
- Enhance employability in the construction and civil engineering sectors.
- Develop confidence in handling and assembling formwork components.
- Obtain a recognized qualification supporting career advancement in construction.

Who Should Attend:

- Individuals pursuing a career in construction or concrete work.
- Construction workers aiming to specialize in formwork operations.
- Apprentices and trainees in construction or civil engineering programs.
- Supervisors and quality control personnel in construction projects.

Assessment:

Assessment will be based on the learner's ability to:

- Demonstrate knowledge of formwork principles and construction techniques.
 - Safely fabricate, erect, and strip formwork for specified structures.
 - Participate in discussions and activities focused on formwork safety and quality.
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TRAINING AND PROJECTS

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Specific Outcomes and Assessment Criteria:

By successfully completing this SAQA Unit Standard, learners will demonstrate competency in the following:

1. Understand Formwork Requirements and Principles:

- Explain the purpose and structural requirements of formwork for straight walls, columns, and bases.
- Identify and describe materials and tools commonly used in formwork.
- Assessment Criteria: Written assessment on formwork principles, materials, and tools.

2. Fabricate and Erect Formwork:

- Measure, cut, and assemble formwork components to meet project specifications.
- Erect formwork for straight walls, columns, and bases, ensuring stability and alignment.
- Assessment Criteria: Practical exercise demonstrating fabrication and erection of formwork.

3. Strip Formwork Safely and Effectively:

- Dismantle formwork carefully to prevent damage to concrete and reusable components.
- Follow guidelines to ensure safety during the stripping process.
- Assessment Criteria: Practical assessment focused on safe stripping techniques and material handling.

4. Maintain Quality and Safety Standards:

- Implement safety measures and wear appropriate personal protective equipment (PPE).
- Follow quality standards to ensure formwork stability and suitability for concrete work.
- Assessment Criteria: Group discussion and practical assessment on quality and safety in formwork operations.

By completing this course, learners will be equipped to fabricate, erect, and strip formwork safely and efficiently, enhancing their skills and employability in the construction industry.