



Occupational Profile: *Rubble wall constructor*

A competent Rubble wall constructor should be able to demonstrate the following skills and competences:

1. Carry out safe working practices to prevent hazards and to ensure the safety of workers and members of the public.
2. Carry out safe working practices using appropriate equipment and materials to prevent damages to work areas. Recognise and understand the various types of foundations and types of walls.
3. Carry out the safe erection, use and dismantling of simple scaffold platforms less than 2m high.
4. Set up safety barriers around a work environment hazard to protect workers and members of the public.
5. Use protective clothing and safety equipment to accomplish tasks.
6. Use and store materials hazardous to health in a safe manner.

The candidate applying to be trade tested for the Certificate of Competence should be in possession of the majority of the following knowledge, competencies & skills:

1. Knows how to plan the rubble wall
2. Can select the stones from a quarry
3. Lay out the area and direction
4. Knows how to dig and prepare the foundation of the rubble wall
5. Knows to position the right stones for the foundation
6. Comprehends calculations for quantities and costs of materials
7. Defines which tools and equipment are used

Various types of Foundations and Walls

1. Decide how wide and long the rubble wall to be and directions
2. The quantity and size of rubble stones you need
3. Dig the length of the wall to provide a stable foundation
4. Use a batter and a string line the length of the wall
5. Slant the stones of each course at least 1 cm (1 centimeter), fill between the stones with hearting, pinning-stone, so water can pass through.
6. Knows how to lay walls into an existing structure, leveling the wall, and building on slopes, building corners, type of damages and repair, retaining rubble walls.

Health & Safety

1. Selecting and use of protective clothing and equipment using safely ladders and boards
2. Performing safe lifting and handling
3. Performing safety procedures during demolishing works
4. Performing site security
5. Carrying out safety procedures with works on heights

ASSESSMENT CRITERIA

Rubble Wall Constructor

1. Introduction

The following is a detailed description of the assessment criteria to be adopted by the Trade Testing Board (TTB) to reach a final decision on the award of a Certificate of Competence.

2. Trade Test

The trade test is to be made up of the following four components:

1. The Written
2. The Practical
3. The Interview

The Board has agreed on the sequence of the test and the markings allocated to each specific component as indicated below:

Component	Mark	Pass Mark
Written	100	50%
Interview & Portfolio	100	50%
Practical	100	50%

The Written Component

The Board has agreed that candidates will sit for the written test of which duration is of 1 hour

This session will cover the following aspects in Rubble Wall Construction

1. General elements of the Building and Construction of a rubble wall.
2. Site Layout techniques
3. Various types of foundations and walls
4. Safety procedures in the building industry
5. Various types and shapes of wall openings
6. Building regulations

The Interview Component

All candidates will be called to an interview so that the Board will be able to assess the proficiency of the candidate in this particular field.

The duration of the interview will be from 20 to 30 minutes during which the Board will have the opportunity to put forward questions related to the various skill requirements and work elements.

The interview questions will cover the same topics presented for the Written and Practical components

The Board believes that candidate should answer questions on the given topics with confidence while portraying technical skills and knowledge of the subject.

The Practical Component

Candidates will be given a particular exercise which will have duration of 2.5 hours. This session can involve the following techniques and modulations

1. Stone Preparation (Preparing and Working out of stone)
 - Candidates must attain the necessary knowledge to Plan, Select and Prepare materials to work out several exercises related to rubble wall.

2. Stone Laying
 - Candidates must attain the necessary knowledge with regards to laying technique and must demonstrate ability to erect a straight rubble wall (length and height of task as instructed by the board).