



THE REPUBLIC OF KENYA

**COMPETENCY BASED CURRICULUM**

**FOR**

**BUILDING TECHNOLOGY**

**KNQF LEVEL 6**

**ISCED PROGRAM CODE: 0732 554B**



TVET CDACC

P.O BOX 15745-00100

NAIROBI

## **BUILDING FINISHES**

**UNIT CODE:**CON/CU/BUT/CR/07/6/B

### **Relationship to Occupational Standards**

This unit addresses the unit of competency: Execute building finishes

**Duration of Unit:** 100 hours

### **Unit Description**

This unit describes the competences required to perform building finishes. It entails plastering building walls (internal and external) applying floor finishes, painting building surfaces, applying building facings, wall mastering, lining wall surfaces, carrying out pointing and jointing, cladding building walls and performing rough cast.

### **Summary of Learning Outcomes**

1. Apply floor finishes
2. Paint building surfaces
3. Apply building facings
4. Apply wall finishes
5. Apply ceiling finishes
6. Carry out pointing and jointing
7. Perform building rough casting

### **Learning Outcomes, Content and Suggested Assessment Methods**

<b>Learning Outcome</b>	<b>Content</b>	<b>Suggested Assessment Methods</b>
1. Apply floor finishes	<ul style="list-style-type: none"><li>• Types of floor finishes</li><li>• Floor finishing tools &amp; Equipment</li><li>• Background preparation.</li><li>• Floor finishing</li></ul>	<ul style="list-style-type: none"><li>• Written Tests</li><li>• Oral Questioning</li><li>• Practical tests/Project</li></ul>
2. Paint building surfaces	<ul style="list-style-type: none"><li>• Painting materials</li><li>• Painting tools &amp; Equipment</li><li>• Preparation of painting surface</li><li>• Paint mixing</li><li>• Application of paint</li><li>• Protection of painted surfaces</li></ul>	<ul style="list-style-type: none"><li>• Written Tests</li><li>• Oral Questioning</li><li>• Practical tests/Project</li></ul>
3. Apply building facings	<ul style="list-style-type: none"><li>• Facing materials, tools and equipment</li></ul>	<ul style="list-style-type: none"><li>• Written Tests</li><li>• Oral Questioning</li></ul>

	<ul style="list-style-type: none"> <li>Preparation of facing materials</li> <li>Preparation of facing background</li> <li>Fixing of facings</li> </ul>	<ul style="list-style-type: none"> <li>Practical tests/Project</li> </ul>
4. Apply wall finishes	<ul style="list-style-type: none"> <li>Wall mastering materials, tools and equipment</li> <li>Preparation of wall surfaces</li> <li>Application of wall master</li> <li>Protection of wall mastered surface</li> <li>Lining materials, tools and equipment</li> <li>Background preparation.</li> <li>Fixing of Linings</li> <li>Cladding materials, tools and equipment</li> <li>Background preparation</li> <li>Application of claddings</li> <li>Plastering tools and equipment.</li> <li>Plastering materials</li> <li>Background preparation</li> <li>Mixing ratios/Mortar making</li> <li>Application of plaster</li> </ul>	<ul style="list-style-type: none"> <li>Written Tests</li> <li>Oral Questioning</li> <li>Practical tests/Project</li> </ul>
5. Apply ceiling finishes	<ul style="list-style-type: none"> <li>Tools, materials and equipment</li> <li>Types of ceiling finishes</li> <li>Application of ceiling finishes</li> <li>Background preparation</li> </ul>	<ul style="list-style-type: none"> <li>Written Tests</li> <li>Oral Questioning</li> <li>Practical tests/Project</li> </ul>
6. Carry out pointing and jointing	<ul style="list-style-type: none"> <li>Pointing and jointing materials, tools and equipment</li> <li>Preparation of materials</li> <li>Background preparation</li> <li>Pointing and jointing</li> </ul>	<ul style="list-style-type: none"> <li>Written Tests</li> <li>Oral Questioning</li> <li>Practical tests/Project</li> </ul>
7. Perform building rough casting	<ul style="list-style-type: none"> <li>Rough casting materials tools and equipment</li> <li>Preparation of materials</li> <li>Background preparation</li> <li>Application of rough cast</li> </ul>	<ul style="list-style-type: none"> <li>Written Tests</li> <li>Oral Questioning</li> <li>Practical tests/Project</li> </ul>

#### **Suggested Methods of Instruction:**

- Demonstration by trainer

- Practical work by trainee
- Demonstration videos
- Projects
- Group discussions

## **Recommended Resources**

### **Tools and equipment**

- Spade
- Wheelbarrows
- Painting brushes
- Trowel
- Spirit level
- Screw driver
- Hammer
- Plumb bob
- Wooden float
- Steel float
- Head pans

### **Materials and supplies**

- Cement
- Water
- Bricks
- Wooden blocks
- Tiles
- Lining boards
- Lime

### **Personal protective equipment (PPEs)**

- Gum boots
- Helmets
- Gloves
- Dust coats
- First aid kits