



**REPUBLIC OF KENYA**

**NATIONAL OCCUPATIONAL STANDARDS  
FOR  
CARPENTRY AND JOINERY CRAFTSPERSON  
KNQF LEVEL 5**

**PROGRAMME CODE:0722 554B**



**TVET CDACC  
P.O BOX 15745-00100  
NAIROBI**

## PERFORM JOINERS SECOND FIXING

UNIT CODE: CON/OS/CAJ/CR/05/5/B

### UNIT DESCRIPTION

This Unit describes the competencies required to perform joiners second fixing. It involves, interpreting architectural drawings, selecting materials, tools and equipment, performing fixing of the fixtures, examining the quality of the finished product and performing housekeeping.

### ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA <i>(Bold and italicized terms are elaborated in the Range)</i>
1. Interpret architectural drawings	1.1 Architectural drawing is interpreted based on building code 1.2 Measurements are converted as required by the Architectural drawing 1.3 Symbols are identified and interpreted based on International technical drawing (ISO 128)
2. Select materials, tools and equipment	2.1 cutting list of materials is prepared as per the working drawing 2.2 materials, tools and equipment are selected and prepared as per the work place procedures
3. Perform fixing the fixtures	3.1 Prepared materials for <b><i>fixtures</i></b> as per the work place procedures 3.2 Plugged in the wall based on the building code 3.3 Cut the joints as per the job requirements 3.4 Undertook fixing of the fixtures according to the engineer's instructions 3.5 Undertook finishing processes as per the job requirements 3.6 Performed workplace housekeeping as per the work place procedures
4. Examine the quality of the finished product	4.1 Examined <b><i>joints</i></b> for well-fitting and tightness 4.2 Examined finished product for protruding nails or screws 4.3 Examined head of the screws
5. Perform work place housekeeping	5.1 Cleared the off cuts, saw dust, shavings as per job requirements

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b> <i>(Bold and italicized terms are elaborated in the Range)</i>
1. Interpret architectural drawings	1.1 Architectural drawing is interpreted based on building code 1.2 Measurements are converted as required by the Architectural drawing 1.3 Symbols are identified and interpreted based on International technical drawing (ISO 128)
	5.2 Collected remaining nails and screws as per job requirements 5.3 Return all the tools in the tool store as per work place procedures

## **RANGE**

<b>Variable</b>	<b>Range</b>
1. Fixtures may include but is not limited to:	<ul style="list-style-type: none"> <li>• Skirting</li> <li>• Dado rail</li> <li>• Picture rail</li> <li>• Cornice</li> <li>• Arch trave</li> <li>• Pelmit box</li> </ul>
2. Joints may include but is not limited to:	<ul style="list-style-type: none"> <li>• Mitre</li> <li>• Butt</li> <li>• Scribed</li> <li>• Splice joint</li> </ul>

## **REQUIRED KNOWLEDGE AND SKILLS**

### **Knowledge**

- Fixing of nails and screws
- Use of drills
- Use of hammer and rawl plug
- Types of joints
- Types of fixtures

## Skills

- Accuracy in cutting of the joints
- Polishing skills
- Moulding
- Operating machines

## EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: 1.1 Interpreted architectural drawings correctly 1.2 Selected materials, tools and equipment accordingly 1.3 Was able to prepare cutting list of materials accurately 1.4 Plugged in the wall accurately 1.5 Undertook fixing of the fixtures 1.6 Examined joints for well-fitting and tightness 1.7 Examined the quality of the finished product 1.8 Performed work place housekeeping appropriately
2. Resource Implications	The following resources should be provided: 2.1 Training/assessment workshops 2.2 Construction tools and equipment 2.3 Occupational Safety and health manuals 2.4 Construction manuals 2.5 Construction materials 2.6 Qualified trainers
3. Methods of Assessment	Competency may be assessed through: 3.1 Practical assignment 3.2 Written 3.3 Oral interview
4. Context of Assessment	Competency may be assessed 4.1 On job 4.2 Off job 4.3 During industrial Attachment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.